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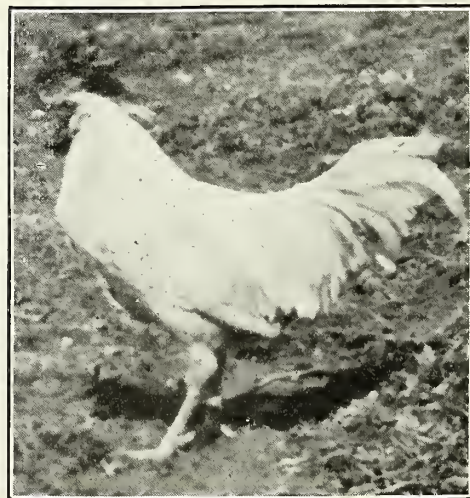
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RHODE ISLAND WHITES, KENTUCKY strain. Great bargains in stock or eggs. Twin Caves Poultry Farm, West Point, Ky., Rt. No. 2. 3-3t

THE GREATEST RHODE ISLAND White farm in the world. Both combs. Eggs and baby chicks. Catalogue free. Henry Eichelmann, Waterloo, Ill., Rt. No. 4. 2-4t

S. C. RHODE ISLAND WHITES—"America's best yet," popular new breed. Bred-to-lay. White Feather Farm, Trinity, Texas. 2-2t

### SUSSEX.

RED SUSSEX—TWO PENS, ALL imported birds, for coming egg season. The coming breed. W. W. Graves, Jefferson City, Mo.

BENSON'S BLUE RIBBON STRAIN Red and Speckled Sussex are different; they are winners and heavy layers. Special sale, trios \$15; eggs \$3. Catalog free. E. M. Benson, Box 506, Washta, Iowa. 3-1t

### BLACK SPANISH.

WHITE FACE BLACK SPANISH EGGS at \$1.50 per 15. W. E. Suite, Jr., Lebanon, Tenn. 1-3t

### TURKEYS.

FOR SALE—MAMMOTH BRONZE turkeys, one tom, two years old, one tom three years old, \$10 and \$8. Young ones, toms and hens, early and well grown. Write for prices. Mrs. B. B. Robinson, Franktown, Va. 3-1t

WHITE HOLLAND TURKEYS, WHITE Runner ducks. High class stock. Satisfaction guaranteed. Indianapolis winners. Mrs. Ray Botorff, Cortland, Ind. 12-4t

FAMOUS KENTUCKY BOURBON RED trios, \$12; toms, \$4 up. Eagle Farm, Sparta, Ky. 1-3t

BOURBON RED TURKEYS BRED from winners. Noah Herman, West Salem, Ohio. 2-2t

WHITE HOLLAND TURKEYS—Kentucky's prize winners. Eggs and stock for sale. Wm. J. Winter, Buechel, Ky., Box No. 34. 2-3t

"GIANT" STRAIN BRONZE TURKEYS—White Wyandotte and White Runner duck eggs, postpaid. Big type Poland China pigs. Sunnyside Farm, Jonesville, Va. 3-2t

WHITE HOLLAND TURKEY EGGS, \$3 for 11; White Runner ducks, eggs \$3 for 12; White African Guineas, White Orpingtons and S. C. White Leghorn eggs \$1.50 for 15. Blue peafowls. J. I. Edington, 16 Market Square, Knoxville, Tenn. 3-1t

### WYANDOTTES.

COLUMBIAN WYANDOTTE EGGS, \$2 and \$3 per setting. Prize winners at the Kentucky State Fair, 1914. Henry G. Saam, 800 East Broadway, Louisville, Ky. 1-3t

MY PARTRIDGE WYANDOTTES Won five firsts out of seven entries, eighteen hundred birds competing. Sacrifice sale of cockerels. Stock and eggs. Runner ducks. Poland China hogs. Walter Ingles, Dublin, Va. 2-3t

CHERRYVILLE PRIZE WINNING White Wyandottes. Utility Barred Rocks. Baby chicks, 12½ cents each; eggs \$5 hundred. Order in advance. Mrs. Thos. Sanders, Okolona, Ky. 2-2t

WHITE WYANDOTTE EGGS FOR hatching. Fischel strain. Heavy layers. Carefully mated; \$1.50 per 15. Pen headed by \$15 cockerel; \$2.50 for 15. H. L. Moor, Tilton, Ga. 2-4t

WHITE WYANDOTTE EGGS FROM trapnested winners, \$2.00 per setting. Splendid opportunity to get a start with good White Wyandottes at a moderate price. J. C. Rheinhardt, 2309 Fulton, Evansville, Ind. 2-2t

SILVER LACE WYANDOTTES—FREE range; no other stock. Eggs \$1.25 for 15. Photograph sent on request. A. H. Harrell, Hickory, Ky. 3-1t

SILVER WYANDOTTES, WINNERS OF first at such shows as Louisville, Ky., Indianapolis and Terre Haute, Ind. Mating list free. Ed C. Paul, Princeton, Ind. 3-2t

FISHEL'S HIGH SCORING WHITE Wyandotte. Eggs \$3.50, \$2.50, \$1.50. Ora Armstrong, Bedford, Ind. 3-1t

COLUMBIAN WYANDOTTES, BLACK Langshan and Seabright Bantam eggs, \$1.50 per setting. Registered collies \$5.00. Woodlawn Kennels and Poultry Farm, Paris, Tenn. 3-1t

### SEVERAL VARIETIES.

PRINTING FOR POULTRYMEN—125 note-heads and 125 envelopes \$1 prepaid. Note-heads, envelopes, cards, tags, labels, 100 either 50c; 250, 85c; 500, \$1.40; 1000, \$2.40, prepaid. Postcards, circulars, catalogues, letter-heads. Finest cuts furnished. Stamp brings samples. Model Printing Co., Manchester, Iowa. 9-6t

TOULOUSE GEESSE AND PEKIN ducks. Large, fine old gander, 22 pounds, nice large young ones. Ducks very large and beautiful specimens. Geese \$10 trio; ducks \$2 each. Mrs. B. B. Robinson, Franktown, Va. 3-1t

SHADY LAWN FARM ROCKS, WYANDOTTES, Leghorns, Hamburgs, White turkeys, Toulouse, Embden geese, ducks. Catalogue free. B. T. Kahler, Hughesville, Pa.

S. C. R. I. REDS AND R. C. R. I. Whites, Vertrees strain. Eggs and baby chicks from prize winning stock. I can please you. Box No. 1, E. F. Hixson, Hixson, Tenn. 2-3t

WHITE HOLLAND TURKEYS (PAT- ton's) White Runner ducks, White African Guineas, White Orpington and S. C. White Leghorn chickens, also Blue Peafowls. Some very fine birds for sale and eggs in season. J. I. Edington, 16 Market Square, Knoxville, Tenn. 2-3t

EGGS FOR HATCHING FROM PRIZE winning strains, R. C., S. C. Rhode Island Reds, White Wyandottes, \$1, \$2, \$3.50 per setting. S. C. Brown Leghorns, \$1, \$2 setting. Buff Rocks, Light Brahmas, Partridge Cochins, \$2.50 setting. Mammoth White Pekin ducks \$2 setting. Utility eggs \$4, \$6 per 100. L. T. Clarke, Louisville, Ill. 2-2t

EGGS AND DAY-OLD CHICKS FROM prize winning Anconas, Leghorns, Wyandottes and Cornish. Prices reasonable. Goat Abernethy, Lenoir, N. C. 2-3t

PLYMOUTH ROCKS, WYANDOTTES, Reds, Leghorns and Houdans. Eggs \$1 to \$1.50. Catalogue free. A. Bagwell, Route 4, Paducah, Ky. 2-4t

S. C. RHODE ISLAND REDS EXCLUSIVELY. Eggs \$1 per 15 or \$5 per 100. Mrs. R. H. Williams, Guthrie, Ky. 2-4t

EGGS FOR HATCHING—D. W. YOUNG strain direct. S. C. White Leghorn eggs \$1.50 per 15. Chas. C. Brunk, Waynesboro, Va. 2-3t

ABEEL'S R. C. BUFF LEGHORNS WON blue ribbons at Memphis, Tenn., Buffalo, Rochester, 1914. Eggs \$2 per 15. Satisfaction guaranteed. J. H. Abeel, Fredonia, N. Y. 2-4t

SILVER SPANGLED HAMBURG, Laced Wyandottes, Salmon Favorells, Black Minorcas, Orpingtons, Reds, Games, Seabright and Cochins, Bantams. Frank McCarty, Lebanon, Ind. 3-1t

EGGS—EGGS—EGGS. FROM WHITE Wyandottes, Ringlett Barrel Plymouth Rock chickens, Mammoth Pekin ducks, Mammoth Bronze turkeys, White Holland turkeys. Eggs strictly fresh and fertile from my fine healthy stock. Circulars free. Blue Hill Poultry Yards, Somerset, Va. 3-3t

S. C. BUFF LEGHORNS, ORPINGTONS and Rocks Eggs \$2.00 per 15. A. B. Wilson, Bethel, Ohio. 3-1t

FIFTEEN LIGHT BRAHMAS AND White Orpington eggs for \$1.00. Minnie Patterson, China Grove, N. C. 3-2t

EGGS, STRICTLY FRESH AND FERTILE from large, beautiful plumaged Mammoth Bronze, White Holland turkeys, Ringlett Barred Plymouth Rocks, White Wyandottes, large Pekin ducks. I prepay all express. Write for descriptive circular with prices. E. F. Sommers, Somerset, Va. 3-3t

EGGS, STRICTLY FRESH AND FERTILE from large, beautiful plumaged Mammoth Holland turkeys, Ringlett Barred Plymouth Rocks, White Wyandottes, large Pekin ducks. I prepay all express. Write for description circular with prices. E. F. Sommers, Somerset, Va. 3-3t

WHITE WYANDOTTES, WHITE HOLLAND turkeys, White African guineas, Buff Pied geese, registered Jersey cattle. Illustrated catalogue free. B. B. Romig, Woodland, Marion county, Mo. 3-2t

NORTHERN GROWN, FREE RANGE Barred Rocks and Bronze turkeys. Layers, winners; satisfaction guaranteed; stamp. N. H. Brown, La Fargeville, N. Y. 3-3t

SINGLE COMB WHITE LEGHORNS—Barron and Wyckoff strains. Eggs \$1 per 15. Vertrees Rhode Island Whites, \$1.50 per 15. Indian Runner duck eggs \$1 per 13. Mrs. Chas. Foster, Route No. 5, Dalton, Ga. 3-1t

CLOSING OUT SALE POULTRY—FINE breeders. Orpingtons, White, Buff, Black; S. C. Reds, also eggs for hatching. Poultry farm for rent. Women's College, Meridian, Miss. 3-1t

### MISCELLANEOUS.

WANTED—PEAFOWL, FOXES, FANCY pigeons, quail, pheasants. U. Pheasantry, Poughkeepsie, N. Y. 12-5t

FREE BOOKLET—GAPES POSITIVELY cured or money back, 25 and 50 cent cans by mail. Agents wanted. W. Doran, Brandenburg, Ky. 1-12t

GIGANTIC SUNFLOWERS—HEADS 3 feet, the Wonder Food, 25c package, Climbing Watermelon, very novel, attractive to grow (2) packages 25c. New Calabash Pipe Gourds, make pipes, ornamental and useful, 2 packages 25c. Midget Popcorn, smallest on earth, 10c package. Gig-Big-Em, largest Tomato grown, attain height of 15 feet, 2 packages 25c. The five novelties for 75c postpaid. Grower Yoder, Station H, Romulus, N. Y. 3-1t

WILL EXCHANGE ONE COCK AND five yearling hens of my famous S. C. R. I. Reds for a broken bird dog or a pair of good bird pups. Arthur Hughes, Alexandria, Ind. 3-1t

SCOTCH COLLIE DOGS—PEDIGREED stock, pups, workers, etc. Write for booklet and prices. Gatlin Farms, Box J, Murray, Ky. 3-2t

DUROC HOGS — BEST BREEDING, highest quality, lowest prices. Booklet and prices on request. Write us. Gatlin Farms, Box J, Murray, Ky. 3-2t

PRINTING FOR POULTRYMEN—FIVE hundred bond note-heads \$1.50; 500 envelopes \$1.50; 500 3x5 cards, \$1.75. Printed to order, postpaid. Nice cut of birds used. Color work for small extra charge. Write for samples. Eagle Printing Co., Springville, Ala. 3-1t

BROTHER—ACCIDENTALLY DISCOVERED root cures both tobacco habit and indigestion. Gladly send particulars. H. T. Stokes, Mohawk, Fla. 3-2t

FOR SALE—FIRST CLASS BONE CUTTER. Bargain. Suitable for flock 75. L. H. Herndon, Blackwood, Va. 3-1t

POULTRY FARM WANTED—30 TO 60 acres with good residence, 6 rooms or more. Not more than one-half mile from interurban station and not more than 15 miles from Louisville. L. E. Stockard, 1012 Lincoln Bldg., Louisville, Ky. 3-1t

GAPE—A POSITIVE CURE—10 CENTS will cure one thousand chicks. Recipe 50 cents. A. B. Wilson, Bethel, Ohio. 3-1t

### YAKAHOMAS.

YAKAHOMAS, THE PEACOCK OF THE chicken family. Beautiful color; tail plumes 28 to 35 inches. W. A. Nimble, Kewanee, Ill. 3-3t

## White Orpingtons

Won first pen, first cock, first and second cockerels, fourth pullet, Augusta, October, 1914. All pens headed by prize winners. Bred to lay, weigh and win. Eggs \$3, \$5, and \$10 per setting of fifteen. Baby chicks 25 cts., 50 cts. and \$1. Money makers. Satisfaction. Write us.

LIVELY POULTRY FARM, Augusta, Ga.

## ANCONAS PARTRIDGE ROCKS

Winners Madison Square Garden, Philadelphia, Baltimore, Atlanta and elsewhere.

They are known all over the South.

Write for prices on stock and eggs.

## H. E. PORTRUM

Rogersville, Tennessee



## A Better Brooder FOR BIG FLOCKS

Note convenience in filling

If you keep a flock of 250 to 1000 or more chicks you ought to know about the Prairie State Stove Brooder. It is adapted alike to the individual Colony House or to the long continuous house so extensively used on large farms. As evidence of its recognized superiority and dependability, we cite the fact that 40 of these stove brooders are already

### Used on the Largest Poultry Farm in the U.S.

where they care for 25,000 chicks at one time. We shall be glad to give anyone interested more detailed information about the equipment of this farm. Prairie State Stove Brooders are substantial, serviceable, safe, economical and efficient. The stove is made of cast iron throughout with galvanized steel hinged canopy and hover curtain attached. It is automatically regulated—fire never goes out. Easy to operate—simply lift one-half of hinged canopy and pour coal in hopper. Consumes 7c worth of hard coal a day in average weather. Price complete, \$30. Write for booklet. Also ask us to send you our Complete Catalog of Prairie State Incubators, Hovers and Colony Houses designed for every requirement and every purse.

**PRAIRIE STATE INCUBATOR CO.**  
210 Main Street [12] Homer City, Penna.

### GIGANTIC CLOSING OUT SALE OF THE SOUTH'S CHAMPION SINGLE COMB BLACK MINORCAS AND ORPINGTONS. WON 250 PRIZES AND SPECIALS IN 1913-1914

On account of being unable to make the poultry business my principal business, and not having time for it, as a side line issue, am closing out my entire flock of both breeds without a single reservation, at less than half their real worth to move them at once. Notice the big special inducements lower in advertisement.

**MINORCAS**—Handsome cock, second pen 1914, weight 12 pounds, score about 94, long and deep, \$25.00—worth \$50.00. "Gladys," 9½ pounds, score about 74 or 75, never defeated; best Minorca ever saw, \$30.00—cheap at \$100.00. "Margaretta," 9 pounds, scored 94, beaten only by "Gladys," first at Kentucky State Fair, 1913 and 1914, \$25.00—refused \$50.00.

**SPECIAL**—This Grand Champion Trio, \$65.00—Cheap at \$200.00.

A few good males at \$5.00, \$10.00 and \$15.00 each; 15 nice hens at \$2.50, \$5.00, \$7.50 and \$10.00 each. Nothing under 7½ pounds and 90 score. Nice yearling hen, first at Cincinnati, 1914, as pullet, Pape's very best, sale price, \$20.00.

**ORPINGTONS**—Our oldest are yearlings. They defeated the South's greatest exhibitor, and our 1914's are still better. "Sir Knight," grand long-backed cockerel, weight 11 pounds, score 94 or 95, first at Chattanooga in English class, \$30.00—worth \$75.00. "Crown Princess," ideal pullet, weight 11 pounds, score 95 or 96, first at Chattanooga, best pullet ever saw, \$30.00—will bring \$50.00. "Her Sister," nice 10-pound pullet, score 94, always second to above pullet, a beauty, \$20.00.

This Grand Trio as good as there is, simply wonders, \$65.00—giving them away.

One nice 93½ score cockerel, beautiful type, \$10.00—good one year old cock, always first last year, \$10—have refused \$90 for him. Several nice cockerels at \$5.00 each. Thirty nice 8 and 9-pound hens, score from 90 to 93, at \$2.50, \$5.00, \$7.50 and \$10.00 each.

#### SPECIALS

First. With each bird goes every ribbon ever won by that bird—250 to be given away.

Second. All orders for \$10 and over will be shipped out in nice exhibition coops—think of it!

Third. The first order received for \$65 gets entirely free a 400-egg Cyphers incubator as good as new.

Fourth. The two first \$10 orders received from this advertisement get a \$3 setting of eggs entirely free.

**WILL CONTINUE TO SELL EGGS AT \$3.00 AND \$5.00 PER 15 UNTIL ALL BIRDS ARE SOLD.**

**WALTER Q. PARK, RICHMOND, KY.**

## :- OAK GROVE EGG FARM—S. C. WHITE LEGHORNS :-

Our Blue Ribbon exhibition matings at \$5.00 per 15; \$9.00 per 30, and \$25.00 per 100 eggs.

Our Pedigree utility matings at \$2.00 per 15; \$3.75 per 30, and \$10.00 per 100 eggs.

Our Exhibition Strain just made a clean sweep at the Kentucky State Poultry Show, Lexington, Ky., Jan. 4-9. We won every first and second prize, every special and silver cup for best female in entire show.

Our Pedigree Utility Strain has won two International Egg Contests (great winter layers).

Our advice to the buying public is buy where your money does the most good.

**J. T. MILLIGAN & SON**

**STITHTON, KY.**

## LITTLE'S WHITE WYANDOTTES

Known for years as the best in the South. Have won in some of the strongest classes ever known in the history of the breed in shows from New York City to Atlanta, Ga. Birds hatched from eggs bought of me have won for my customers in the largest of Southern shows. \$5.00 per fifteen straight.

**T. L. LITTLE,**

**CAMDEN,**

**BOX 534**

**SOUTH CAROLINA**

## SWEET POTATO SLIPS!!

Sweet Potato Slips!! The wonderful "New" Early Hustler, originated by us in 1914. "Crown

Jewel" of all Sweet Potatoes—\$2.00 per 1,000—Cash. We fill orders from April first to

July first. Order NOW, giving your date of shipment.

**25,000 Square Feet of Glass**

## EVERGREEN PLANT CO.,

**EVERGREEN,**

**ALABAMA**

## My "Kant Beat'em Strain of S. C. Reds



This pullet was shown at Topeka, and the Gold Special at Oklahoma City, and was a Grand Prize Winner in both Shows. She is in Pen No. 1.

breeds competing; second cockerel in the Oklahoma City Gold Special Show, and just about as good as the first; third cockerel at the State Federation Show at Muskogee, in December, 1914; second cockerel at the Great Coliseum Show in St. Louis, in November, 1914; fourth cock at Enid, January, 1914. Mating list now ready. Eggs, \$10.00, \$7.50, \$5.00, \$3.00 and \$2.00 per fifteen.

**J. M. SPRINGER**

**STILLWATER, OKLAHOMA**

Just say you saw it in The Industrious Hen.

have won more premiums, prizes, specials and silver cups in the shows of Oklahoma and Kansas during the past two seasons than any other strain in the Southwest. We have entered our birds in all the State Shows of Kansas and Oklahoma this winter, and in Oklahoma last winter, and we have always walked out of the show with a goodly number of the ribbons. We challenge the record of any other breeder in this State in comparison with our own. At the Gold Special Show in Oklahoma City, January 18-23, we won more premiums and prizes by long odds, than any other breeder. Heading our pens are the following championship birds:

A Cock bird two years old, which as a cockerel headed first young pen at Boston, Mass., in 1914; his sire headed first young pen in Boston, 1913; his grand-sire headed third old pen in Boston, 1914. Considered by all Rhode Island breeders and critics to be the best Rhode Island Red male bird in the West. First cockerel at Oklahoma City, Gold Special Show, January 18-23, which was also shape special and was awarded the A. P. A. Medal for best cockerel in the entire show, all





## WHITE WYANDOTTES

"Dustan" laying strain. 50 extra fine cockerels for sale. My winnings at Owensboro show, 1914, first pen, first cockerel, first pullet, best White Wyandotte hen in show, silver cup.

LOCUST GROVE POULTRY FARM,

Mrs. Tom H. Hayden,

Owensboro, Ky.

R. No. 6

## BUFF ORPINGTONS

Won at Nashville, Charlotte, Columbia, Richmond, Chattanooga. Stock for sale. Eggs after Jan. 1. Write me your wants.

BLOOM H. KENDALL,

Shelby North Carolina  
Member National Buff Orpington Club

## JERSEY GRIT FOR POULTRY

FOUR IN ONE—Vitalizer, Shell Maker, Tissue Builder, Health Tonic.

Used by over 40,000 poultry raisers. Over one million bags sold in 1914. 300 pounds for One Dollar. Send for Samples and Analysis.

ARTHUR W. BISHOP, Paterson, N. J.

## Barred Plymouth Rocks

POPE & POPE STRAIN

I can furnish you eggs at \$1.00 per 15. Strong fertility guaranteed. Address,

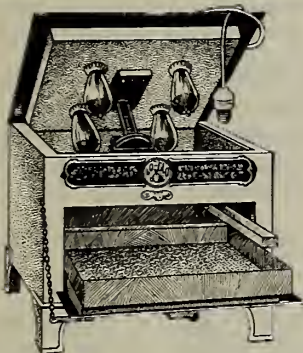
J. H. HERRON

Agent L. & N. R. R. NEBO, KENTUCKY

ASK ABOUT ANCONAS ANCONAS ARE AN SSET  
When you think of a Hen think of Hendry

INVERNESS ANCONA YARDS

HENDRY AS 'EM JAMES L. HENDRY, Prop.  
1212 South 26th St. LOUISVILLE, KY.  
Exhibition Eggs \$2.50 per 15  
Prize Winners Utility \$1.50  
HANDSOME HARDY USTLERS



## HATCH BY ELECTRICITY

THE MODERN METHOD

The "Lo-Glo" Incubators and Hovers are the final expression of the art of incubation. Absolute control of Heat, Moisture, Ventilation insures Bigger hatches of healthier, stronger chicks. Their all-metal construction makes them fireproof, indestructible, dependable. They eliminate all smoke, smell, worry, chilling and overheating. Remain sweet and sanitary, making incubation a positive source of pleasure and profit. Chicks are stronger and surer of life, because of the vitalizing influence of electrical current upon the egg germ.

"LO-GLO" ELECTRIC HOVERS

Can be set indoors or out, merely a question of wire. Broods one or fifty thousand chicks better than "mother hen." All-metal construction, fireproof, sanitary and fill every possible requirement. Overcrowding impossible.

Keep up with the times and equip with the all-metal, no trouble, no worry, sure-to-hatch "LO-GLO." A trial will convince and convert you. Write now for interesting free booklet "O,"

"LO-GLO" ELECTRIC INCUBATOR CO.

Incorporated

76 Greenwich St., New York City, U. S. A.

## Peerless Automatic Incubators Now 60 to 1,000 Eggs



EVERY Sheer Incubator is a marvel of automatic mechanism. Heat and flame control, heat distribution, heat regulation, ventilation and moisture, every operation automatic. Only one adjustment. Biggest profit hatcher on earth today. Whether raising poultry 60 eggs at a time or on a large scale, there's a SHEER AUTOMATIC OUTFIT to suit your needs.

### THE SUREST HATCHERS

The new "Peerless 60" is the first practical, all-metal fire-proof incubator with perfect heating, heat distributing and ventilating systems—all automatic. Natural as a nest. Never overheats. No fussing. Automatic flame control—no waste of fuel or heat. Fully equipped with wonderful Sheer Automatic Fixtures. More profitable than any large machine with single heating plant. Holds 60 eggs. A marvel at the price.

### "Peerless Automatic" 200-Egg

is just big enough for the poultry raiser who wants to start small and grow big gradually. Equipped with the great Sheer Automatic Heating, Ventilating and Moisture Systems, Automatic Flame Control, Automatic Lamp, Sheer Double-Compound Thermostat Regulator—exclusive Sheer features that make the surest hatchers in the world. No more guesswork. The Sheer way is the only way.

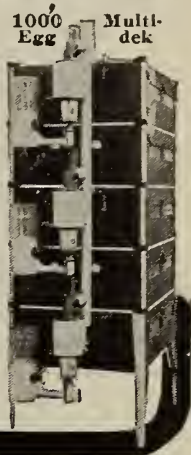
### "Peerless Automatic Multidek," 1000-Egg

is the biggest improvement in incubator design in the last generation. Not one big unit, but five 200-egg units in one, each a complete self-operating incubator, yet all 5 operating in perfect unison. Door of top section on a level with your eyes. Saves 6 times floor-space. No waste labor, everything within arm's length. A world beater for profits. Equipped with wonderful SHEER AUTOMATIC FIXTURES. Only machine for the big poultry raiser. Starts small raisers to big success.

### Make Any Incubator Automatic

If you can't afford a new machine now, make your old incubator new and AUTOMATIC. Sheer Fixtures, Automatic Lamps, Regulators, Thermostats, heating, ventilating and moisture systems, incubator parts, fit ANY incubator. 25 years have made them the world's standard. Send today for facts, Free.

H. M. SHEER COMPANY, Dept. 143, QUINCY, ILLINOIS  
World's Largest Manufacturers of Incubator Supplies



## FOR SALE Single Comb Brown Leghorns

I have some yearling cocks, yearling hens, and a nice lot of cockerels and pullets. Eggs for \$1.00, \$2.00 and \$3.00 per setting, and \$6.00 per hundred. Write for free circular.

M. S. COPELAND

POWELL STATION Route No. 1 TENNESSEE

## 75 ACRES FOR FAIR VIEW POULTRY YARDS

BREEDERS AND EXHIBITORS

"Ringlet" Barred Rocks, "Giant" Light Brahmas, "Royal" Black Breasted Red Game Bantams, Eggs and Stock for sale 1 to 1,000. Exhibition and Utility combined. Satisfaction or money back. We have proved our quality by winning at Rome, Memphis, Cookeville, Monterey, Knoxville, Tenn. State Fair, Morristown. Write for mating list I before you buy. We will satisfy. Hickory (cane) King Seed Corn. R. F. D. No. 2, COOKEVILLE, TENN.

## RANGE RAISED LAYING LEGHORNS

Justlaid Egg Farm's Bred-To-Lay vigorous Single Comb White Leghorns, Baby chicks and hatching eggs, Cyphers trap-nested strain. Write today for mating list.

E. B. McQUOWN LIBERTY PIKE, LEXINGTON, KENTUCKY.

## BUFF LEGHORNS SILVER CAMPINES WHITE LEGHORNS

(Heasley & Smith Strain)

(Jacobus Strain)

(Young Strain)

HEAVY WINTER LAYERS—BLUE RIBBON WINNERS. Heavy winter egg production our specialty. We also win the Blues. Highest quality. Lowest price. Write for mating list and prices.

COFFMAN & ZIRKLE,

EDINBURG,

LOCK BOX NO. 59

VIRGINIA

## "CRIMSON" S. C. RHODE ISLAND REDS



are winners and payers. Give them a trial and be convinced. Pen No. 1 is headed by the Second Prize Cockerel at the last Chicago Coliseum Show. We have just recently bought this fine bird from the Shenley Heights Poultry Farm, of Pittsburgh, and have mated with him some very fine pullets and we are offering eggs from this mating at \$5.00 per setting.

Pens No. 2 and No. 3 are two very fine matings considering the quality. Eggs from these pens are \$2.00 per fifteen. Pen No. 4 is something extra for the money; only \$1.50 per fifteen eggs.

## CRIMSON POULTRY YARDS

M. D. Beard, Prop. Hardinsburg, Ky.

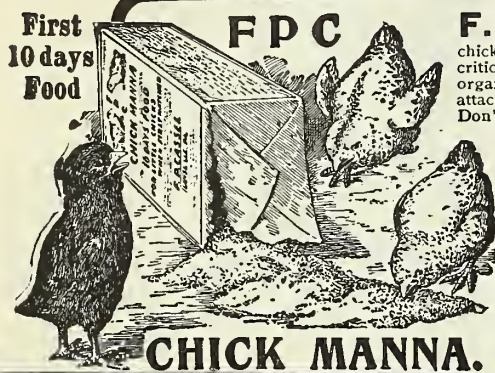


# S. C. WHITE LEGHORNS

Eggs for hatching and baby chicks from first and second prize winners at 1913-1914 fairs. Our birds won at Shelby County Fair, first and second cock, first and second hen, first and second cockerel and first and second pullet, only showed nine birds. At Frankfort, Ky., we won first and second cock, first hen, first and second cockerel and first and second pullet, also special for best S. C. White Leghorn cockerel in the show, with eight entries. At Kentucky State Fair, we won fourth young pen. Our birds are bred for heavy winter laying. You won't regret trying a setting of our eggs. We have three grand pens mated for this season. Prices from \$1 to \$3 per 15 eggs. Shipments after February 1. We guarantee 90 per cent fertility. Stock for sale.

LAY-A-LOT LEGHORN YARDS,

SHELBYVILLE, KENTUCKY



**F.P.C. Chick Manna** is peculiarly adapted to bringing young chicks, turkeys and pheasants safely through the first ten days—the critical period. It regulates and strengthens the delicate digestive organs, promotes growth, and wards off epidemics. Prevents fatal attacks of bowel trouble and develops healthy, vigorous youngsters. Don't feed corn and other heavy grain feeds. Be safe. Use this, the first specially prepared chick food on the market, and still recognized as the "unequaled first ten day food."

## Brings 'Em Through The First Ten Days

Specially prepared. Properly balanced. M. K. Boyer, a well-known poultry authority, says: "Chicks like it and thrive wonderfully on it." It's a clean, wholesome, honest food. If your dealer cannot supply you, write for our **Special Price Trial Offer**—to introduce F. P. C. Chick Manna into your vicinity we make you a special price on a 1 lb., 5 lb., or 15 lb. package, by PARCEL POST, prepaid. Write today for free circulars of F. P. C. Poultry Foods and Supplies.

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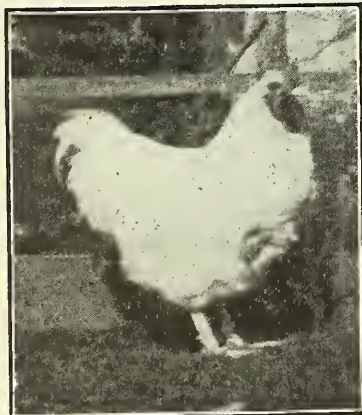
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MALONE'S QUICK GROWING VEGETABLE SEEDS—For ten cents we will mail one package each, Earliest Cabbage, Ox-heart Carrot, Black Seeded Lettuce, Chartier Radish and Evergreen Cucumber. Enough of juicy vegetables for the entire summer. Enclose ten cents today to cover cost of packing and mailing this big collection. Address

MALONE SEED COMPANY,

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Eggs from Rancocas S. C. White Leghorns—the world's finest laying strain direct to you from Rancocas, the "Million Egg Farms," largest in the world. 100 per cent fertility guaranteed—a strong germ assured; 1000 Eggs, \$70; 100, \$9.50, \$5.

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Rancocas day-old S. C. White Leghorn Chicks are full of vitality—the product of vigorous, thrifty breeding stock. We guarantee 100 percent safe delivery to your express station. Rancocas chicks live and thrive! Every Chick a Live One—the Rancocas Guarantee. Write for free booklet and prices. Rancocas Poultry Farms, Box 633 Browns Mills, N. J.



# THE INDUSTRIOUS HEN

VOL. XI.

LOUISVILLE, KY., MARCH, 1915

(Whole No. 127)

No. 10

## January Report of the Missouri Laying Contest.

**Records for Three Months when Eggs are Highest—Buff Wyandottes in the Lead—Barred Plymouth Rocks Lead for January—Some Valuable Records Given—The Poultryman's Success Next Year Depends Upon His Work Now.**

**O**NE of the most important seasons of the year in the poultry yard is now at hand, for it is during this season that the flock should be renewed. Much of your success next year depends upon the flock you raise this year. A little care now in selecting, mating, incubating and brooding will do much towards making an active, healthy, vigorous, profitable flock. Upon placing a male with hens which have not had a male with them, the eggs become fertile in about three days and remain fertile for fifteen to twenty days after the male has been removed. If the eggs are infertile the birds should be examined. Collections of louse eggs on the base of feathers or the accumulation of droppings on the feathers about the vent often prevent the proper communication between male and female.

An 80 per cent fertility and 80 per cent of the fertile eggs hatching is considered a reasonable hatch. This means sixty-four chicks out of 100 eggs set or about ten chicks out of a setting of fifteen eggs. If the eggs are to be held before setting, they should be kept at a temperature of from 40 to 60 degrees and should be kept covered so the albumen will not evaporate. When the chick comes out of the shell it is made out of the albumen or white of the egg, and has used little or none of the yolk. If the albumen has evaporated too much, there is not enough material to build a chick large and strong enough to get out of the shell. This is one of the causes for chicks dying in the shell. This evaporation may take place either before or during incubation.

Early hatched pullets mature and begin to lay before winter begins. They make good winter layers and are good breeders the following spring, while the late hatched pullets do not lay before spring and if used in the breeding yard produce a low per cent of chicks which are small and weak. It is advisable also to rear the entire flock as near the same time as possible, for in flocks where there are chicks of all ages, the youngest ones seldom amount to anything. Then, too, if they are all reared in one brood, it takes only a short time till the chicks are large enough that they need very little attention. On many farms only a small number is hatched at a time, requiring almost the entire summer of work and worry to renew the flock.

The indications are that the present egg-laying contest is going to be one of the most interesting and instructive contests ever held, owing to the fact that the birds were raised under practically the same climatic conditions.

The race so far is very even. The leading pens for the three months of November, December and January, as well as the leading pens and hens for January, are scattered among the many varieties. The all-purpose breeds receive a large per cent of the honors.

Following is the record made by the ten highest pens for the three months of November, December and January:

Pen.	Eggs.
26. Buff Wyandottes, Missouri .....	182
47. Buff Orpingtons, J. W. Jackson, Paris, Mo.....	177
40. Barred Plymouth Rocks, E. B. Evans, Mountain Grove.....	176
34. Barred Plymouth Rocks, Missouri .....	176
35. S. C. Reds, W. R. Kendall, Independence, Mo.....	171
4. S. C. White Leghorns, Mrs. R. L. Higginbotham, Ashley, Mo, ..	168

Pen.	Eggs.
6. S. C. White Leghorns, Missouri .....	168
14. S. C. White Leghorns, Missouri .....	168
49. Black Langshans, Ed Floyd, Mountain Grove, Mo.....	167
36. Buff Plymouth Rocks, Missouri .....	163

Each pen contains five hens. The five Barred Plymouth Rock hens in pen 34 laid  $9\frac{1}{2}$  dozen eggs in the 31 days in January, or almost two dozen each.

Following is the record made by the ten highest pens for the month of January:



Tommie Lee and her hen, "Queen of Tennessee," won first prize at Tennessee State Fair, 1912-13; Tri-State Fair, Memphis, and Morristown, 1914; also first at seven other shows 1913-14. Bred and owned by Fair View Poultry Yards, R. F. D. No. 2, Cookeville, Tenn.

Pen.	Eggs.
34. Barred Rocks, Missouri .....	114
44. Buff Orpingtons, Missouri .....	100
47. Buff Orpingtons, J. W. Jackson, Paris, Mo.....	100
14. S. C. White Leghorns, Missouri .....	95
4. S. C. White Leghorns, Mrs. R. L. Higginbotham, Ashley, Mo., ..	90
43. S. C. Reds, W. A. Magruder, Whiteside, Mo.....	88
35. S. C. Reds, W. R. Kendall, Independence, Mo.....	86
46. White Orpingtons, W. R. Kendall, Independence, Mo.....	83
23. Buff Wyandottes, C. H. Rogers, Eagleville, Mo.....	79
6. S. C. White Leghorns, Missouri .....	76

The ten highest hens for the three months are as follows:

Hen.	Eggs.
44. S. C. White Leghorn, Mrs. R. L. Higginbotham, Ashley, Mo., ..	70
143. S. C. White Leghorns, Missouri .....	56
494. Black Langshan, Ed Floyd, Jr., Mountain Grove, Mo.....	54
384. White Rock, Missouri .....	51
364. Buff Rock, Missouri .....	46
401. Barred Rock, E. B. Evans, Mountain Grove, Mo.....	46
492. Black Langshan, Ed Floyd, Jr., Mountain Grove, Mo.....	45
474. Buff Orpington, J. W. Jackson, Paris, Mo.....	44
471. Buff Orpington, J. W. Jackson, Paris, Mo.....	43
345. Barred Rock, Missouri .....	42
465. White Orpington, W. R. Kendall, Independence, Mo.....	42



COTTONSEED MEAL FOR POULTRY.

Experiments Indicate That Cottonseed Meal May Be Used in Place of Animal Protein—A Suggested Mash for Egg Production.

By Allan Nicholson, Union S. C.

**T**HAT cottonseed meal will come into popular use with poultrymen because it furnishes one of the cheapest concentrates high in protein value, and that finely ground limestone will be used to supply the needed carbonate of lime for the making of the shell, seems certain as soon as it becomes more widely known that it can occupy a very important part in the daily feed for poultry where egg production is desired.

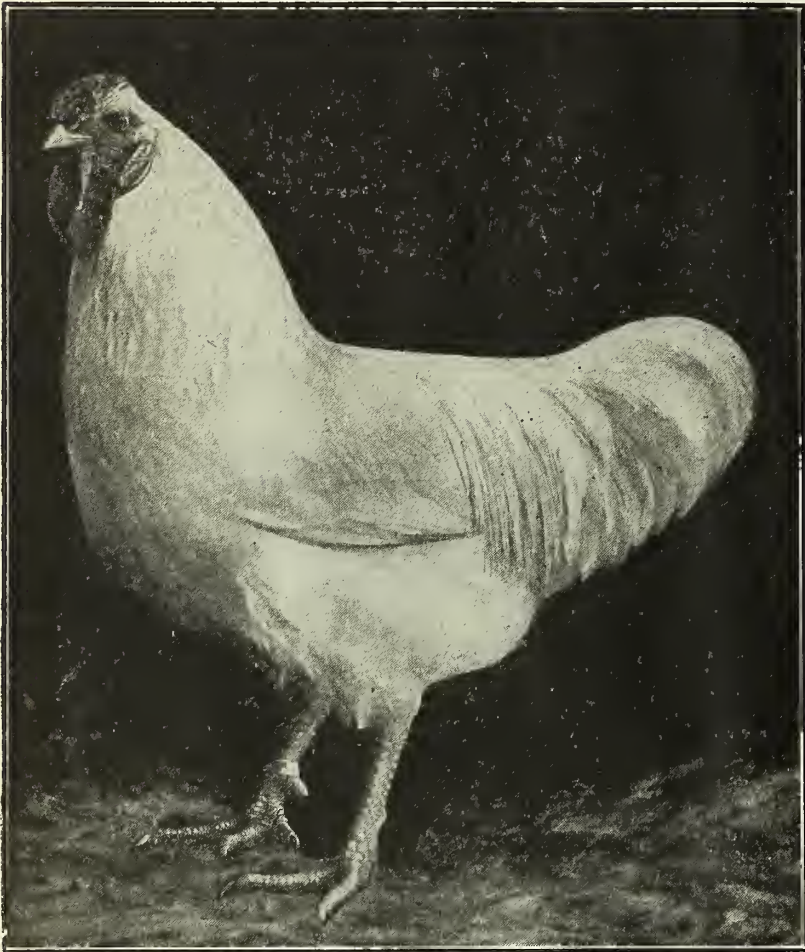
It has long been known that cottonseed meal is one of the richest and best feeds for dairy cows when fed not too

we decided to use this as an ingredient to take the place of beef scrap or tankage. The result was the making up of the following mash, which in a very short while showed that it was good, as the hens began laying at a greatly increased rate:

Wheat bran .....	25 pounds
Wheat shorts .....	25 pounds
Corn meal .....	25 pounds
Ground limestone .....	15 pounds
Cottonseed meal .....	10 pounds
Ground charcoal .....	2 pounds
Salt .....	½ pound

The reason why ground limestone was put in the mash was that no oyster shell was procurable at that time from any of the stores in Union, and beside as it cost about \$12, delivered, in ton lots, while finely ground limestone, used for agricultural purposes, and which contains a high percentage of carbonate of lime, could be delivered for about \$3.25 per ton, it was decided to substitute the limestone for the oyster shell. After being placed where the hens could have access to it, as they did not seem to take well to the use of it, it was put into the mash itself as a part of the mixture, thus when they ate the mash they would also take the necessary proportion of limestone containing the carbonate of lime. At the time Mr. Hare said he had never heard of limestone being used in any such way, but at the writer's insistence it was tried and found to work admirably, with the result that he has incorporated it in his formula for egg mashes.

Not long after this, in his investigations in South Carolina, Mr. Hare found a farmer who had secured splendid results from hens which he allowed to eat all the cottonseed meal that they desired, putting it in hoppers, the same as most poultrymen have for beef scrap, and letting it take the place of these meat products. After extensive inquiries, and especially as the idea was new and appealing because cottonseed meal is a Southern product, and can be had much cheaper than meat scrap (it is now selling for from \$21 to \$22.50 per ton), Mr. Hare has made up a special formula which is being tried out thoroughly at

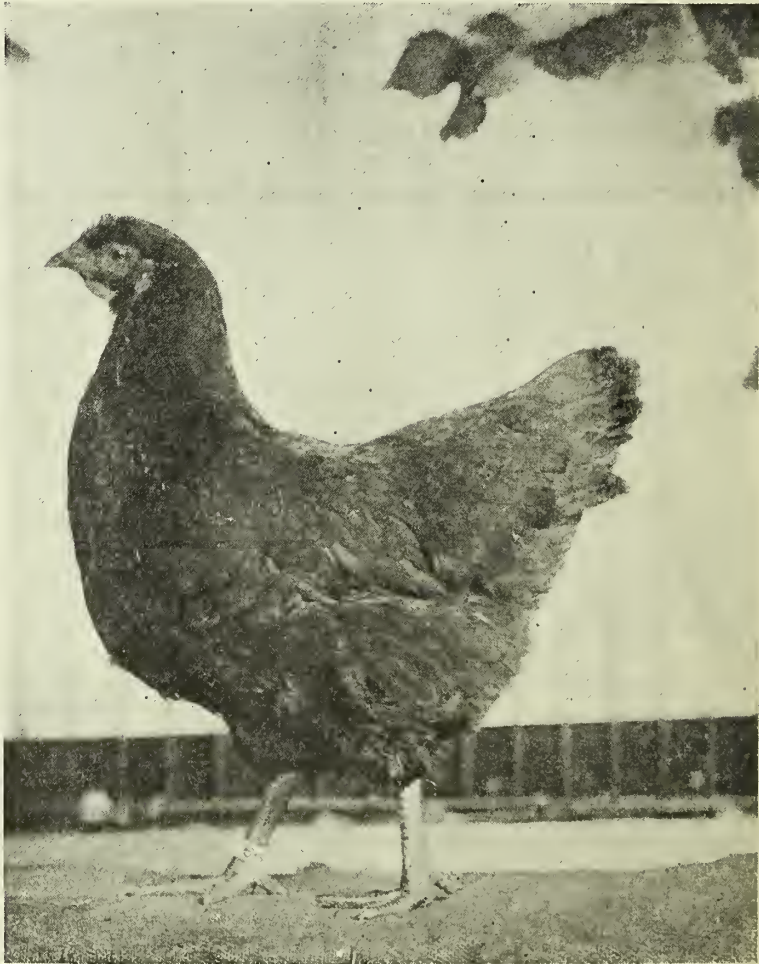


"Chicago Champion," winner of first prize at Chicago. Bred and owned by Mrs. C. M. Vertrees, Cecilia, Ky.

lavishly, and good even for horses; but it is only recently that it has been established, even in the South, the home of cottonseed meal, and its true worth has become recognized as an important ingredient in poultry foods. And it will not be at all surprising if before long it entirely takes the place of beef scrap, tankage or other generally used concentrates in the making up of mashes, especially where the purpose is to feed for egg production.

South Carolina is taking the lead in adopting the use of this Southern by-product, and it is the State poultryman, Mr. Frank C. Hare, who is stressing the advantage of it both because of its nutritive values and its inexpensiveness. It was in January, 1914, when Mr. Hare had been detailed by the United States Department of Agriculture to visit Union county to conduct a "better poultry" campaign and to organize poultry clubs, that he became interested in working out a formula for a dry mash, which had as its special purpose egg production, and yet would not be so expensive as bought mashes. As beef scrap could not be had at the time, and knowing the high protein value of cottonseed meal, which according to Henry in his book, "Feeds and Feeding," is 45 per cent, though the State chemist's analysis is:

Protein .....	36 per cent
Fat .....	25 per cent
Carbohydrate .....	30 per cent
Crude fibre .....	12 per cent



Second Pen Pullet S.C. Rhode Island Red, Kentucky State Fair, 1914. Bred and owned by Chiles & Co., Mt. Sterling, Ky.

Clemson College, with which he is connected, and which he is recommending to poultry raisers not only throughout the Palmetto State, but all Southern States as well. This is to be known as the "Clemson mash," and concerning it Mr. Hare writes:

(Continued on page 227.)



## THE FANCIER'S BUSY SEASON.

**The Work of the Fancier for the Next Six Months Will Be Towards Getting the Season's Crop Ready—Some Suggestions on Care and Management.**

By E. H. Hoffman.

**P**OUULTY shows are now over and the next work for the fancier is to devote his attention to the hatching and rearing of chicks. By this time, no doubt, nearly every poultryman has his breeders selected and is getting ready for the incubation of eggs from his best matings, the result of which means success or failure next year at the poultry shows. While some fanciers use the natural method and others the incubators, the main object in view is to hatch a large number of strong vigorous chicks and keep them growing through the spring and winter months and develop them into birds that will have a chance at the shows in strong competition. To do this it is necessary to hatch some chicks early and this requires the use of an incubator, although occasionally a hen will offer to set in March and this helps out materially.

Some poultrymen claim that chicks hatched and raised by hens are more vigorous than those artificially reared, but this is merely a matter of conjecture. For the small breeder, who raises only about a hundred chicks in a season, hens will do the work very nicely. Hens, however, like incubators, need careful watching in order to obtain the best results, and I will endeavor to explain my system in using hens for hatching and brooding. When I get ready to set my hens the first thing I do is to clean out a small building, which is devoted entirely to the use of the setters. About five or six are set at the same time so the chicks will all be the same age. Clean nest boxes are obtained and a shovel-ful of moist dirt is placed on the bottom of the nest, over which fresh straw and chaff is spread. Before placing the hens on the nest they should be dusted with insect powder and removed to their new nests at night, giving them one or two nest eggs to set on. The next morning if they are still on the nest it is a pretty good sign that they mean business and are willing to set in new quarters. I usually allow them to remain on the nest all that day without disturbing them and the next night I give them thirteen or fourteen eggs, according to the size of the hens. After setting them I place feed and water within their reach and leave them alone. About the second or third day the hens get off of

the nests to eat and roll in the dirt and return to their nests. Sometimes they exchange nests, but this is immaterial as long as two do not crowd upon the same nest. I always watch them during the day to see that they get back all right. As a rule they will insist upon getting back to their own nests. It is well to dust them with insect powder about the third week so there is no danger of their becoming infested with lice before the chicks are due to hatch.

If the hens have set faithfully and the eggs are fertile, the chicks ought to hatch about the nineteenth or the twentieth day. There seems to be a difference of opinion among fanciers about handling hens at this period, some believing that the hens should not be disturbed while the chicks are hatching, while others claim the chicks should be removed until all are hatched. I have had considerable experience along this line and I am of the opinion that it is safer to take the chicks away just as soon as they are hatched. It might be all right to leave a hen alone when

she steals her nest, but when she is taken away from the nest in which she laid her eggs and removed to a strange place she is more or less apt to become excited and do damage during the time she is setting and hatching. It has been my policy to watch the hens very closely on the nineteenth and twentieth days. The first thing I do in the morning is to see if any chicks have hatched. If so, I remove them to the house and place them in a warm place, covering them with a piece of flannel. I keep them away from the hens until all the chicks are hatched and then I am ready to turn them over to the best natured hens or place them in a brooder. When five or six hens are set at the same time the chicks are divided among two or three as the case may be and the other hens are returned to the laying house where they soon forget that they have been setting and begin to lay.

Before giving the chicks to the hens, however, the latter are again thoroughly dusted with insect powder and the chicks are examined for head lice. It is very often the case that the chicks have lice on their heads and necks soon after they are hatched. A little melt-

ed lard is about as good as anything to clean off these insects. For the first thirty-six hours the chicks are not given anything to eat, but allowed to remain under the hen. The first meal is coarse sand and grit and water. After that I feed nothing but commercial chick feed for the first couple of weeks and then add a little green stuff, but always keep plenty of fresh water before them at all times.

When the chicks attain the age of from four to six weeks, I remove them from the hen and place them in



First Ancona cockerel, Madison Square Garden, New York City, and Cleveland. Bred and owned by H. Cecil Sheppard, Berea, Ohio.



colony houses, where they are kept until fall. As soon as they become large enough I add wheat to their ration, but never feed growing chicks a wet mash until they get to be about three or four months old and even then great care should be taken in feeding it. A dry mash or dry bran is a good feed for young chicks and it helps them materially in their growth.

Fanciers who do not use hens for hatching their chicks are equally as successful with incubators and for those who desire to raise a large number of birds the artificial method is the best because more chicks can be hatched at one time. There is also an advantage in using an incubator and that is because it is always ready for business. Very often we have a lot of eggs on hand and wait for hens to set but they continue to lay until later in the season. The incubator can be prepared in twenty-four hours and with little care it does the work of many hens. Accidents may happen no matter what system is used. Hens may leave the nest, spoil a batch of eggs or break them, and the lamp in an incubator may go wrong. Only last year I experienced a loss with a brooder, the lamp exploding and burning up my early chicks. That, however, is nothing against the artificial method of hatching and rearing chicks. Accidents are liable to happen in the best regulated families.

On thing can be said in favor of incubators and brooders and that is the chicks are not infested with lice like when hatched and raised with hens. No matter how careful we try to be in guarding against vermin, there is always that chance of having lice on the chicks. It seems that poultry is very much like a dog. The latter, they say, is not healthy unless he has fleas and hens usually have a few body lice even with the best of care.

During the hatching season it is immaterial how the chicks are hatched as long as they are strong and healthy. The care given them during the first couple of months of their lives is of great importance and we must remember this if we want to raise birds that are developed by the time the next show season begins. There is little doubt but that more chicks are lost each year through overcrowding than anything else. It is a common mistake to raise too many birds on a limited space. This mistake is often made by those living in cities where they have but a small lot for their chickens. Fifty chicks that are given plenty of room are worth more than one hundred that are crowded in close quarters. Remember that chicks successfully started are half raised and that a stunted chick rarely develops even into a good table fowl, much less one worthy of breeding. Provide ample shade for growing chicks during the hot summer months and see that they have at all times an abundance of cool, clean water. This is really more important than regular feeding, though the wise breeder will be careful to provide both.—Exchange.

#### WHAT DOES UTILITY POULTRY MEAN?

No Doubt a Great Many of Our Readers Are Confused as to What the Word "Utility" Really Means—Read the Article Below, Written by a Man Who Knows, and Set Yourself Right.

By M. K. Boyer.



UTILITY poultry culture does not mean, as many suppose, an endorsement of the common, mongrel, dunghill fowl. On the contrary, it calls for strictly purebred stock, and no other will successfully do the work. Twenty-five years ago, when the broiler boom was on at Hammononton, N. J., nothing but common stock was used, and as a result not one of the broiler raisers of that day is in business at the present time. The reason is plain. By using common eggs the broilers would hatch all sizes, shapes and conditions of chicks, and when the time arrived to market it was found that in the pens were probably but a third that were fit in weight and condition to ship. The rest had to be held from one to four weeks longer. This entailed an extra cost that consumed the profits, and it was utterly impossible to send gilt-edged stock to market.

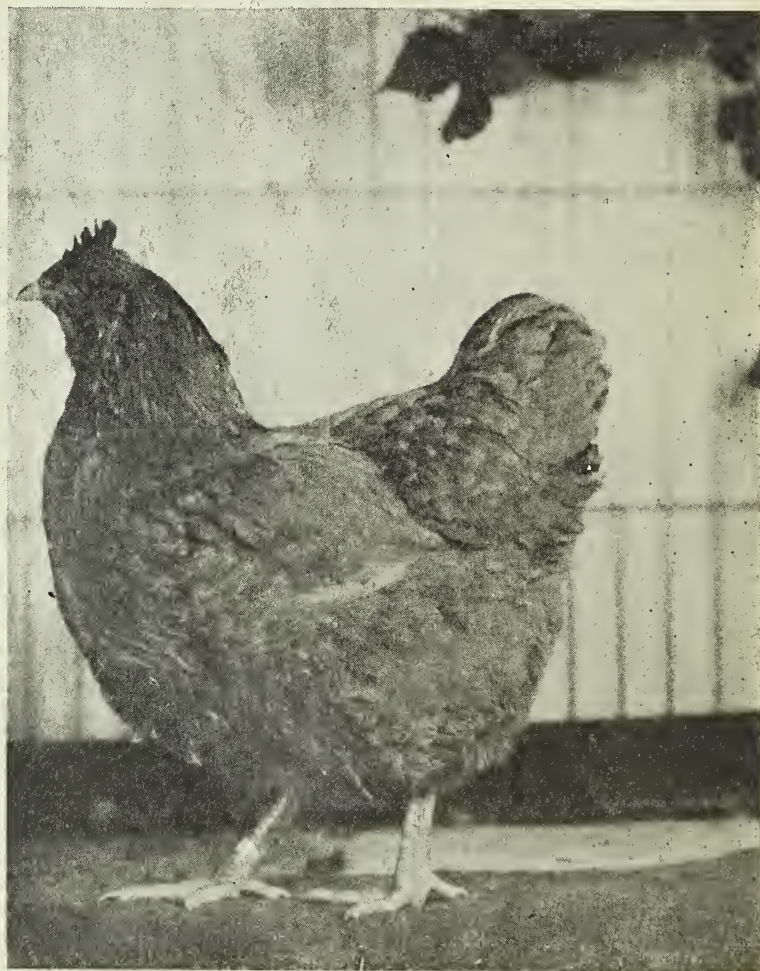
About fifteen years ago a different class of broiler raisers developed in the same town, and they kept nothing but strictly pure stock (principally White Wyandottes). Instead of assorting the sizes and conditions, as was the case with the common stock, the present poultrymen are able to clean up a pen at a time, the chicks growing more

evenly and quickly. Today broiler raising has become a profitable industry in Hammononton, as well as different sections of the country, and all because the dunghill has been supplanted by the purebred fowl. It is the same in raising roasting fowls for market, and it is the same in the egg business.

By the use of a single breed on an egg farm, the eggs are more uniform in size, color and shape, and naturally command a more ready market and at better prices.

What is meant by utility poultry is nothing more or less than pure breeds mated strictly for the increase of plump, meaty carcasses, good egg records, larger and better shaped eggs, and of a more uniform color. Together with the perfection of the output, utility poultry must have the best of constitution, must be strongly built—in short, must be a hardy business fowl.

It was not so many years ago that the birds coming from the yards of fanciers were anything but practical. To fit them for exhibition purposes they were inbred and pampered until they were nothing more than "a polished gentleman with a broken-down constitution." They were poor layers and furnished carcasses that the utility men of the present day would sort out and dispose of as "ordi-



Buff Orpington Hen from the Yards of Chiles & Co., Mt. Sterling, Ky.

nary." It was this fact that led the poulterers to resort to crossing, and at one time that art was so extensively practised that it threatened the business of the fancier.

Wise men are always willing to learn. The fanciers quickly caught on the fact that a different policy must be pursued, and the result is that today we have breeds that are not only practical, but so superior to crosses (to say nothing of dunghills) that we seldom see any but the pure-blooded fowl in the poulterer's yards. Even the farmer, the man who several years ago classed all poultry alike, is recognizing the fact that to have success he must keep stock in their purity. But the practical poultryman does not alone rely upon the stock as he gets it from the breeder. He tests each breeding bird thoroughly, and all that do not reach his ideal are discarded, no matter what their merits may be in regard to outside adornment. The trap-nest has been a God-send to him in this work. By it he has been able to pick out the good, bad and indifferent layers. He is able to mate up pens for future stock from the cream of his flock. He mates according to record.

Some years ago poultry were divided into four classes: the Standard-bred, purebred, half-breed and common. The Standard-bred were for exhibition purposes only; the pure-



bred and the half-breed for practical purposes, and the common or dunghill for such fogies who held that "a chicken is a chicken." The Standard-bred was prized more as a hobby and generally kept in the back yards of some enthusiasts. They had very little to recommend them save their beauty. The purebred was a bird, as it is today, of the same blood as the exhibition fowl, but generally deficient in the so-called "points" necessary to make them winners in the show room. The average purebred on the practical farm will have some disqualification that a poultry judge will notice, but if it is bred in the proper manner it will not only be a better layer than the Standard-bred, but will have a better carcass and possess a constitution "as hard as iron." The half-breed was the cross-bred, the result of a union of two different classes of purebreds. When the crossing was systematically made, it represented quick growth, plump carcasses, heavy egg yield from pullets and a rugged constitution. The common or dunghill or mongrel fowl is the result of careless work. Originally it descended from purebred stock, but afterwards was allowed to mix with the blood of other varieties until it deteriorated into mere nothing. Mongrels were often manufactured from cross-breds. In other words, cross-bred females were mated to cross-bred males, or even cross-bred males with purebred females, made the stock grow worse each year. That is the way the mongrel was created and we most emphatically declare that no practical poultryman can afford to waste time or money on that kind.

The utility breeder selects his stock from among his best workers, the fancier mates according to the requirements of the Standard, without regarding the fact that the hen has a good or a bad egg record. He matches for points, while the utility man matches for eggs. Supposing the fact that the male bird which heads his flock was hatched from an egg laid by a hen that laid but four or five dozen eggs during the entire year, and that the hens composing the flock to which this male is mated would not average over that number, per hen, what can be expected of the offspring? Is it reasonable to suppose they will lay any more than their parents?

The utility man, on the other hand, will not use a female in his breeding pens that laid less than one hundred eggs during the previous year as a pullet, and he chooses his males from flocks of the highest records. In this way each generation becomes more prolific.

But, the argument is often placed, will not the utility strains deteriorate in markings and characteristics of the breed, if they are mated up alone for their practical qualities and no heed being taken if they are disqualified in every other way? Let us explain. In that explanation we must refer to our methods:

We use trap nests in our pens. These nests we run from October first to the last of May only. The object is not so much the number of eggs a hen will lay in a year as it is the number she will lay during the coldest part of the year. We want good winter layers. During this time we keep a strict account of each day's production, and at the end of the term the total for each hen is made up. All pullets that have given us nine or more dozen eggs during that period of nine months are retained for next year's breeders; all under nine dozen are at once disposed of. If we have more pullets that reach the mark of merit than we have room for, then we make a selection for best size, best shape and best color in eggs.

While we are making this test with our pullets we are doing the same with yearling hens. All hens that reach the mark are kept over another year and, in fact, continued in the flock so long as they prove their worth.

Our plan is not to discard a hen on account of her age, but rather on account of her work.

The trap-nest system has given us a means of selecting pullets that have inherited the laying qualities of their parents, and by mating these to males that have also come from meritorious stock we are gradually building up our laying strains. As we are doing this work gradually, we are not making these records at the sacrifice of hardiness and vigor, as ultimately is the case when a rich, stimulating diet is fed.

Now when selecting the males to head the flocks, we choose brothers. These birds are in no wise related to the females, and they are not only selected according to the records of their mothers, but also according to the nearness they come to the characteristics of the breed or, as it might be said, to the requirements of the Standard. The result is that after ten years careful breeding we have flocks that are creditable representatives of the breed, and birds that are business in every sense of the word.

The first aim should be the utility qualities, and then breed as near the Standard requirements as possible without affecting the former. Use common sense, remembering that poultry was created for food and not show.

#### NATIONAL CONTEST REPORT FOR JANUARY.

**American and English White Leghorns Tie for the Honors Thus Far—It Is Greatly to the Interest of Every Breeder of Poultry to Hatch at Least a Few Early Chicks.**



**A**HEN'S efficiency is determined by her ability to lay winter eggs. The winter egg period embraces the months of December, January and February. Sometimes a hen that may have the winter laying characteristics does not lay enough eggs during these months to indicate that she can be classed as a winter producer even in her pullet year. One factor that controls winter egg production is the season that a bird is hatched. The early hatched stock will often be brought to maturity in the early part of the fall and moult during the months of December and January, so it is easily seen that the time of hatching has a big influence on egg production. Many of our birds this year have loafed on the job during the last month on account of moult. This has prevented them from giving as good account of themselves as they might have done. Many more were immature and lost time for this reason.

There is no question that is asked more times by the prospective keeper of poultry than "What breed shall I carry?" The answer we generally give him is that it depends whether he wants fowls for back yard or the farm, or wishes to go into the specialty business to produce eggs for the market. The next thing our inquirer wants to know is, "Which breed has the best layers?" We tell him that depends upon what the fowl has inherited, as good laying is not confined to any one breed. It is a scientific fact that you cannot develop that which an animal or fowl does not inherit. You cannot give enough feed to a hen that has not inherited the egg-laying characteristic to make her produce eggs. For example, there is one hen that has been in the National contest for two years that has never produced an egg.

Some hens lay during the winter months, some do not. Some will put fat on their bodies, others put their feed into eggs. There is one pen at the Missouri station selected on account of poor laying points, thick pelvic bones and narrow behind. These hens are given the same feed that a check pen is fed which is selected for layers, thin pelvic bones and lots of capacity. The hens of poor



Some of the breeders on the National Capital White Indian Runner Duck Farm, Washington, D. C.



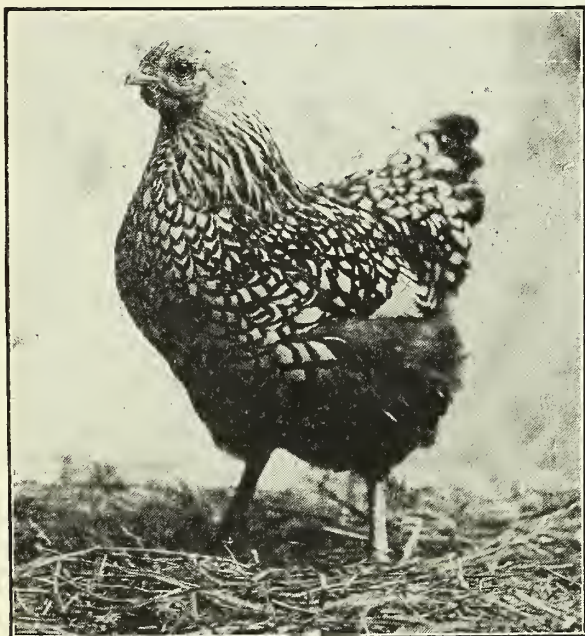
laying make-up are putting their feed into fat, the latter are using the feed to produce eggs. The ones selected for egg production from external appearances alone are far in advance of those selected in the same way as non-layers.

The dairyman gives an essential point of a good producing cow that she must have a large capacity to consume a great amount of feed. It is natural to give this as an essential point of a good hen. She must have capacity to use her feed by converting it into eggs.

The records for the past year indicate that some hens have a tendency to consume a great amount of feed but little capacity to convert it into eggs. Those hens which do not have this capacity in these days of high prices are a drain upon the revenues of the keeper and it must inevitably turn the attention of every breeder of the country to the importance of breeding hens that have a feed-converting power.

The Wyandottes are giving further evidence this month that they have the winter laying capacity, and have led the contest on pen record. In fact, the dual-purpose breeds have the lead over the Mediterranean breeds for the month of January.

In the Southern country there are no better months in the year to hatch incubator chicks than the months of February and March. They can be matured in time to catch the early egg market and the males can be culled for the broiler market. It is more difficult to start the work in the Northern portion of the United States at such an early date, but even if hatched later, the advantages in



Silver Wyandotte from the Yards of Pope M. Long, Cordova, Ala.

climate help to counterbalance the earliness of the early Southern hatched chickens.

The big prices of grain need not deter you from making big preparations to rear a good flock of layers for the next winter's work.

Another big advantage of the early hatch is that you can get some birds ready for the big World's Fair Show which will be held at San Francisco. It will pay you to bring off some with this in view. There never has been offered such an opportunity for the breeders as they will have to show to the tremendous crowds that will see this big event.

Several pens of the foreign birds are being held over another year and trap-nested. One pen from England and several of the pens from Australia and New Zealand are laying many more eggs than they did last year. If they can continue to do as well as they are at present, their second year will be far in advance of the first.

The ten highest pens for the three months are as follows:

Pen.	Eggs.
1. S. C. White Leghorns, Pennsylvania .....	148
21. S. C. White Leghorns, England .....	148
52. Buff Orpingtons, Pennsylvania .....	146
75. R. I. Whites, Illinois .....	140
43. White Orpingtons, Wisconsin .....	138
57. White Wyandottes, England .....	129
61. Silver Wyandottes, Iowa .....	126
18. S. C. White Leghorns, England .....	125
3. S. C. White Leghorns, Pennsylvania .....	124
67. Barred Plymouth Rocks, Illinois .....	111

The ten highest pens for January are as follows:

Pen.	Eggs.
61. Silver Wyandottes, Iowa .....	77
75. R. I. Whites, Illinois .....	75
43. White Orpingtons, Wisconsin .....	72
78. R. C. Reds, Arkansas .....	60
50. Silver Penciled Wyandottes, Iowa .....	59
32. White Orpingtons, Illinois .....	58
77. R. C. Reds, Ohio .....	56
5. S. C. White Leghorns, Illinois .....	55
15. S. C. White Leghorns, Missouri .....	54
63. Barred Plymouth Rocks, Iowa .....	54

Pen 61, Silver Wyandottes, owned by V. G. Warner, Bloomfield, Iowa, won the silver loving cup for January by laying seventy-seven eggs.

### RAISING THE SMALL CHICKS TO MATURITY.

Valuable Suggestions on Caring for the Chicks from the Time They Are Hatched Until They Reach Maturity.—Follow This Breeder's Method and Get More Profit from Your Birds This Season.

By C. C. Loomis.

**T**HERE is no doubt about the statement that if the mortality among young chicks could be averted and the per cent that dies be brought to maturity, the poultry industry would be one of the largest, if not the largest in the country. Thousands upon thousands die each year from improper attention to the youngsters after hatching, and thousands fail to hatch from inexperience in handling incubators. To begin with, all eggs should be tested before placing in an incubator or under hens. If this be done only good strong germ eggs would be used, and those showing defects would be rejected and sent to market for table use. Special attention should be given incubators to see that the thermometer registers just right and also note that you have the required moisture. Incubators should be started at 101 degrees, 102 second week, and if the hatch is good the thermometer will sometimes go as high as 105 degrees the third week. Those chicks which hatch on the night of the nineteenth day or early on the twentieth will be pretty apt to live as they were good, strong, 100 per cent fertile eggs. Those that hatch later range in vitality from 50 per cent to 80 per cent. The 100 per cent birds thrive and mature to be standard weight. Those under that die beginning the third day, and sometimes string out for two or three months.

In order to produce the 100 per cent eggs, do not use too many females in your breeding pens. Some people think that as soon as a chick is hatched, all you have to do is to fill its little stomach full and see that it has a variety of feed, and it will mature in three or four months. This is their first mistake. Nature provides for the little fellow and he can do without food for from forty-eight to sixty hours without any discomfort. My birds are never fed until they are sixty hours old. The first food should consist of toasted bread mashed fine with a little boiled milk poured over it. This feed should be continued for at least two weeks to get proper results. After the fourth day you can give them bran. Under no circumstances should grit be given them until they are ten days old. To feed a baby chick a few days old grit is about as harmful as giving a baby peanuts. The chicks digestive organs are tender and by filling his little crop full of grit you start intestine troubles which sooner or later causes diarrhea, that dreaded disease which carries off thousands of chicks annually. To the drinking water of the young chick should be added one drop of carbolic acid, one drop tincture of iron to a pint for first day; two each the second, and so on until the sixth day, at which time they will have six drops each. This is a splendid tonic. The tincture of iron builds up their constitution and the carbolic acid destroys the germs.

The brooder should maintain an even temperature and should be kept clean and sanitary at all times, for filth is also an enemy of the industry. It is better to have your plant arranged so as to be able to brood your youngsters so they can have their feet on the earth, as this gives them a good foothold while scratching for their food and helps develop the birds and does away with leg weakness. Just as soon as possible chicks should be moved from brooders to colony houses and given range. This also helps mature them and makes them hardy, which enables them to withstand the strain they will be subjected to when placed in breeding pens.

As soon as sex can be determined the cockerels should be separated from the pullets. When pullets are nearing



maturity they should be placed in the breeding pens in which they are to be confined during egg season so they can become accustomed to their winter quarters. It is very harmful to the pullets to continually be changing them around. Every time they are changed it stops them from laying for a few days.

Remember, the poultry industry is one of the largest in the world and the demand for high class breeding stock is increasing each year. Be prepared to reap your share of the harvest. To the beginner I have this to say: Start right with good healthy parent stock and give them good attention and you will be rewarded with not only a full egg basket, but you can dispose of your surplus stock at good prices which will place you in a good standing with yourself when the "rainy day" comes.

### Time Required for Eggs to Become Fertile After a Male Has Been Added to the Breeding Pen—Also After Being Removed.

By Roy H. Waite.

First Test—Experiment began February 3, 1911. Twenty Single Comb White Leghorn pullets, housed without runs in a ten by ten foot open-front house, had been kept without male birds for three months. A cockerel of the same variety was added at 10 o'clock, a. m., February 3, and beginning with those laid February 4, all the eggs were saved for incubation. The following table shows the result:

Date .....	4	5	6	7	8	9	10	11
Number eggs .....	7	10	10	8	2	14	8	5
Sterile .....	7	5	3	1	0	3	1	0
Fertile .....	0	5	7	7	2	11	7	5
Date .....	12	13	14	15	16	17	18	19
Number eggs .....	7	7	8	8	7	9	9	8
Sterile .....	0	0	0	0	0	0	0	0
Fertile .....	7	7	8	8	7	9	9	8

Every sterile and dead egg was broken and examined to eliminate any possible mistake made in testing.

Second Test—The same house and birds were used in this experiment. The cockerel was removed from the pen March 23. Twenty-nine days later, at 7:15 o'clock a. m., April 20, he was again put into the pen and the eggs were saved and incubated as before. All eggs laid for first few days were marked approximately as to hour laid. This time the birds were allowed a small yard which they had been using for about five weeks. The result is shown in the following table:

Date .....	21	22	23	24	25	26	27	28
Number eggs .....	16	14	13	11	11	12	16	14
Sterile .....	16	9	3	2	1	1	3	0
Fertile .....	0	5	10	9	10	11	13	14
Date .....	29	30	1	2	3	4	5	
Number eggs .....	12	12	13	13	16	12	16	
Sterile .....	0	1	2	0	1	1	1	
Fertile .....	12	11	11	13	15	11	15	

Two eggs laid before 11 o'clock a. m., April 22 (52 hours after) were found to be fertile.

Third Test—A White Plymouth Rock cockerel was put into each of three pens of Rhode Island Reds, which had previously been kept without males, at 8 a. m., April 20,

1911. The houses were of the same size and type as those used in the previous Leghorn tests and no outside runs were given. Eighteen birds were kept in each house. All eggs were saved for incubation and records were kept as in previous tests. The results are shown in the following tables:

Date .....	21	22	23	24	25	26	27	28
Number eggs .....	11	7	9	4	8	4	6	7
Sterile .....	11	7	5	2	5	0	3	2
Fertile .....	0	0	4	2	3	4	3	5
Date .....	29	30	1	2	3	4	5	
Number eggs .....	6	5	7	8	5	4	6	
Sterile .....	1	0	1	1	1	0	1	
Fertile .....	5	5	6	7	4	4	5	

First Test—Began March 23, 1911. The same twenty S. C. White Leghorn pullets were used in this experiment as were used in the previous tests for fertility. They, however, had access to a small outdoor run from March 13 to the end of the experiment.

The cockerel was removed from the birds March 23, and all the eggs were incubated up to and including those laid on the twenty-fourth day. The table below shows the results:

Date .....	23	24	25	26	27	28	29	30	31	1	2	3
Number eggs .....	12	16	10	11	17	13	13	12	13	15	16	14
Sterile .....	1	1	0	0	0	0	0	1	2	3	4	8
Fertile .....	11	15	10	11	17	13	13	11	11	12	12	6
Date .....	4	5	6	7	8	9	10	11	12	13	14	15
Number eggs .....	10	12	17	12	15	11	14	13	14	10	15	14
Sterile .....	7	9	15	10	13	11	14	12	14	10	15	14
Fertile .....	3	3	2	2	2	0	0	1	0	0	0	0

Each sterile and dead egg was broken and examined.

Second Test—Began April 20, 1911. Three White Plymouth Rock cockerels were removed from a pen of forty White Plymouth Rock pullets April 20, at 8 o'clock a. m. These pullets were housed in one section of an open-front laying house and had access to a fair sized run. The house was fifteen by fifteen feet in size. The eggs were saved up to and including the nineteenth day, were incubated, and careful records made of the fertility. The result is shown in the following table:

Date .....	21	22	23	24	25	26	27	28	29	30
Number eggs .....	24	24	17	21	22	22	19	24	23	20
Sterile .....	8	7	4	9	5	7	7	12	12	16
Fertile .....	16	17	13	12	17	15	12	12	11	4
Date .....	1	2	3	4	5	6	7	8	9	
Number eggs .....	27	21	20	23	18	25	22	16	28	
Sterile .....	22	19	20	18	17	25	22	16	28	
Fertile .....	5	2	0	5	1	0	0	0	0	

Every sterile and dead egg was broken and examined.

Summary—In the case of the pen of twenty Leghorns an egg was found to be fertile that was laid after the male had been removed twenty days. In this pen the fertility held up well for eleven days.

The fertility of the eggs from the Plymouth Rock pen held up well until after the tenth day. One egg was found to be fertile which was laid sixteen days after the male had been removed.

Conclusions—This experiment would indicate that eggs laid during a ten-day period after the male had been removed can be used for hatching purposes.

## MARVELOUS WERE THE WINNINGS AS MADE BY

### The Catalpas Poultry Yards

At the Great Kentucky State Poultry Show as held at Lexington, Ky., January 4th to 8th, 1915; they won more Firsts and more than Twice as many Regular and Special premiums as all of their Competitors combined.

This Un-approachable Show Record, together with our past strong winnings and Egg Record, should convince you where to buy.

If interested in High Class Fancy Breeders in **Barred Plymouth Rocks, S. C. Rhode Island Reds, S. C. White Orpingtons, White Wyandotted or Rufus Red Belgians**, send for our free, Bargain Sale, Price List. If interested in Eggs for Hatching, that will produce High Class Blue Ribbon Winners, send for our free Mating List.

**JOHN S. STEERS, Prop. THE CATALPAS, Box 1. H., Dry Ridge, Ky.**



**SUBSCRIPTIONS**—One year 50c. Three years \$1.00. Foreign subscriptions 75c. In order to start with current number, the subscriptions must be received at the office by the 10th of the month.

**PUBLISHERS' ANNOUNCEMENT**—All manuscript and copy for change of advertisements should be in our hands promptly by the 10th of the month preceding date of issue. **THIS IS IMPORTANT.** New business can be accepted as late as the 25th of the month, but special position cannot be guaranteed.

**CORRESPONDENCE**—We cordially invite letters and articles from all our readers on any subjects of interest or value to the poultry industry. Send in some matter; your experience and observations may be just what some one may be looking for and save them from mistakes and losses you have suffered in the past. If you have something to tell our readers, don't fail to send it in. This is your journal; make good use of it and help to make it useful to others.

## THE INDUSTRIOUS HEN

Absorbing Poultry Ideas, Louisville, Ky.; Practical Poultry, Birmingham, Ala.; The Poultry Times, Norfolk, Va.; Southern Poultry Magazine, Nashville, Tenn.; The Poultry News, Bustleton, Pa.; Tennessee Poultry Journal, Lebanon, Tenn.; The National Poultry Breeder, Owensboro, Ky.; Everybody's Poultry Journal, Nashville, Tenn.

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**CLASSIFIED ADVERTISEMENTS**—3 cents per word per issue. No advertisement accepted for less than 50 cents, cash in advance.

### Where Will the Next Annual Meeting of the A. P. A. be Held?

**WE** THINK that San Francisco should have the next meeting of the American Poultry Association. In fact, it has been understood for the past two years that the meeting would go there in 1915, but if the meeting is held at the time the show is held, which is in the latter part of November, it is entirely too late, and we believe out of the question altogether. It has always been the custom of the association to hold their meetings the second week in August. At this time the members are not busy and they can leave their work without any great inconvenience and spend a week at the convention.

We do not believe it would be wise to hold the show one date and the convention another, as this would cause extra expense for members and exhibitors who attended both. Why not hold the show and convention early in October, as this would give both a good chance to co-operate with each other and this must be done, for no other reason than the good of the industry. The show and convention must both be held on such dates as to draw the largest number of entries and members. It will soon be time for us to vote on this question, so let us all give it careful consideration before casting our vote as to date, etc.

### Great Opportunities in the Poultry Business Today.

The population of the United States is increasing rapidly and it is bound to increase much faster as soon as the war in Europe is over and the immigration starts this way. On account of debt and shortage in supplies and an anxiety to get out of Europe and seek a new home, it is bound to bring them over here by the hundreds of thousands. The chances are that beef, mutton and pork will always be high and as poultry and eggs can take the place of them and can be produced

much cheaper, is this not good reason to believe that the demand for poultry and eggs will be greater than has ever been known?

From all indications we think the coming year will be the greatest ever known or experienced by the poultry raisers of this country. There is now a great demand for stock and eggs, and people realize more and more every day the opportunity that the poultry industry offers them. Secure yourself some good stock or eggs, order a good incubator and other necessities to carry on your plant in a small way for the first year, and grow up with a business that will prove successful and a money maker for you.

It is true that there has been a great many failures in the poultry business in the past. But don't you find them in any line of business? It is not the fault of the business but lack of sufficient knowledge and experience to run the business in such a way as to get the profit from it and place it on a paying basis.

There has always been and always will be a demand for poultry and eggs and we do not think the price will ever be much lower than it is today, if any. There has never been known an oversupply of either. The industry is in its infancy now to what it will be in five or ten years from now.

The person starting in the poultry business today has greater chances of success than those who started five, ten or fifteen years ago. We have the 300-egg hen, all modern hatching devices together with expert advice, which make failure almost impossible. Take a tip from us now and start in this season with some good poultry or eggs and be ready to reap your part of the harvest.

### Start Your Advertising Now.

Have you any stock or eggs that you would dispose of at a good price? The *Industrious Hen* is at your service, and can turn same into cash for you if you will get your copy started at once. April, May and June are

three of the best months in the year for making sales, and the successful breeder realizes this, and places his advertising accordingly. Many people wait until late spring and summer before they purchase baby chicks or eggs for hatching, because they do not want to take chances on losing them during the cold damp weather we have in the early spring.

The coming year promises to be the greatest experienced for some time. The poultry business now is on the "boom" and you should start your copy now and get your share of the business. Our readers are in the market for good stock and eggs and by placing a small copy in the next three issues you can dispose of your surplus at good prices.

A little money spent in advertising is never lost, especially in papers you know reach the right field and people who are in the market to buy. The *Industrious Hen* has proven herself to be able to make sales and we are receiving business from people who have used it for the past ten years or longer. This is our best proof that The Hen is a paying proposition to every one who uses it. Start your copy now, and remember that advertising used judiciously never made any man poor, but has made many men rich.

### New Members of the American Poultry Association.

Since the last issue of the *Industrious Hen* went to press the following new members have been elected to membership in the American Poultry Association by action of the executive board:

Morgan Neath, Wadsworth, Ohio; Earl McWreath, Massillon, Ohio; W. H. Seigfried, Marion, Ohio; G. H. Moore, Fremont, Ohio; Kent Poultry Association, Kent, Ohio; Chas. P. German, Van Wert, Ohio; W. H. Williams, Carey, Ohio; F. J. Ungashiek, Navarre, Ohio; Chas. W. Deeds, Dayton, Ohio; A. J. Pounds, M. D., Delaware, Ohio; Oscar J. Phallen, Galion, Ohio; H. A. Gooding, Republic, Ohio; Chas. S. Adams, La Grange, Ohio; Grace Waltz, New Cumberland, Ohio; Jas. L. Donahue, Antigo, Wis.; Wm. H. Hoeschler, La Crosse, Wis.; G. J. Kinkel, Marion, Wis.; H. G. Poehling, La Crosse, Wis.; Marion Poul-



try Association, Marion, Wis.; Ed. J. Wagner, Arlington, Wis.; G. W. Schmitt, Sheboygan, Wis.; Arthur A. Quade, West Bend, Wis.; Red Oak Poultry Association, Red Oak, Iowa; H. M. Jones, Des Moines, Iowa; E. B. Cramblit, Ames, Iowa; F. G. Paul, Marshalltown, Iowa; Geo. S. Phillips, Des Moines, Iowa; C. L. Koester, Gladbrook, Iowa; Geo. Fritz, W. Burlington, Iowa; Mrs. Wilson McIntyre, Red Oak, Iowa; John Bodenschatz, Hinsdale, Ill.; Theodore Marten, Desplaines, Ill.; Wm. J. Morris, E. St. Louis, Ill.; T. Guy Winters, Industry, Ill.; John Chantry, Yates City, Ill.; Mrs. J. L. Young, Woodstock, Ill.; Gust Dietze, Irving Park, Ill.; F. M. Linebaugh, Lewistown, Ill.; W. P. Morgan, Grosse Ile, Mich.; Louis Eberhardt, Saugatuck, Mich.; Raymond Geddas, Hemlock, Mich.; Wm. H. Hofs, Grand Rapids, Mich.; Delta County Poultry Growers Association, Escanaba, Mich.; O. K. Gerdes, Eureka, S. D.; A. C. Weiland, Ethan, S. D.; E. M. True, Salem, S. D.; N. J. Winter, Wessington Springs, S. D.; Louis M. Webb, Worcester, Mass.; Albert O. Holden, Worcester, Mass.; Helen T. Woods, Silver Lake, Mass.; J. W. Root, Southwick, Mass.; Mrs. Frank E. Yeager, Cochituate, Mass.; Mrs. Frank Roberts, Kendrick, Idaho; C. S. Smith, Grangeville, Idaho; Dr. H. C. Parrish, Ilo, Idaho; Panhandle Poultry Association, Moscow, Idaho; Maurice C. Goodwin, New Castle, Ind.; F. W. Studebaker, Akron, Ind.; H. V. Tormohlen, Portland, Ind.; Edward H. Patterson, S. Norwalk, Conn.; Greenwich Poultry and Pet Stock Association, Greenwich, Conn.; James S. Fuller, Danbury, Conn.; Hiram S. Reynolds, Danbury, Conn.; Chas. R. Noyes, Black Hall, Conn.; W. J. Chedzey, San Jose, Cal.; C. J. Brunskill, Kernman Cal.; C. E. Ross, Oakland, Cal.; B. J. Parmenter, Columbia Cross Roads, Pa.; Clarence B. Utter, Sayre, Pa.; Mrs. Cora A. Shoemaker, Granville Summit, Pa.; George Barmore, Princeton, N. J.; George Meuter, Jr., Ridgefield, N. J.; R. A. Ogden, Wichita, Kan.; C. K. Haw, Kansas City, Kan.; Mrs. J. T. Shortridge, Oak Mills, Kan.; Frank C. Shumaker, Silver Creek, N. Y.; Weiant Conklin, Port Chester, N. Y.; Paul W. Georgia, Horseheads, N. Y.; Southside (Va.) Fair Association, Petersburg, Va.; Walter M. Carroll, Lynchburg, Va.; D. Scott Quintin, Petersburg, Va.; Julian S. Carr, Durham, N. C.; Dan T. Gray, West Raleigh, N. C.; U. W. Iverson, Lakeland, Fla.; C. E. McClintick, Lakeland, Fla.; M. Marshall, Jacksonville, Fla.; J. G. Taylor, Chatham, Ont.; Sid Saunders, Ingersoll, Ont.; Malcomb M. Fergusson, London, Ont.; W. B. Scott, Barre, Vt.; Erwin E. Cummings, Antrim, N. H.; E. J. Bell, Boulder, Colo.; J. A. Lockhart, St. John, Wash.; W. D. Wright, Muskogee, Okla.; Myrtle Johnson, Windsor, Mo.; H. D. Wilkinson, Columbia, Mo.; Chandler Poultry Association, Chandler, Ariz.; C. H. Ahrens, Fargo, N. D.; Lee Owen, Fargo, N. D.; Joe Brangle, Albuquerque, N. M.; Geo. P. Cooper, Estell Springs, Tenn.; C. B. Atkins, Butte, Mont.; D. A. Davis, Hot Springs, Ark.; Dr. F. C. Lee, Duluth, Minn.; Geo. D. Good, Baerne, Tex.; South County Poultry Association, Westerly, R. I.; E. M. Tarbell, Lexington, Neb.

Read The Industrious Hen and get more profit from your birds.

### Notes and Comment.

(D. R. McBrayer.)

March—the month of supreme significance to the poultryman.

March is the one best month to hatch your chicks of any breed except the Mediterraneans. You absolutely must hatch them early if you would have them lay and win next fall. On an average of from six to seven months are required to bring pullets of the larger breeds to laying. Of course, a few will lay considerably earlier than this, but these are exceptions, and cannot be relied upon. These extra early layers are usually undersized specimens. Get the March pullet. She is the mortgage lifter. You can't get a March pullet after the 31st. Now's your time.

You cannot expect good hatches of strong chicks from eggs carelessly cared for while awaiting incubation. Always remember that the sooner an egg is set after it is laid the better. The proper temperature for eggs stored for incubation is from 40 to 60 degrees. Much above or under this is detrimental. Eggs a week old are all right to set, two weeks old will usually give good results, three weeks will sometimes give very good results. Four weeks are an uncertainty.

Much depends on the care which we give our breeding birds for the next three months. They should be made to take a lot of vigorous exercise every day. They should have all the good succulent greens they will eat and an abundance of meat scrap. Above all things, do not let them become overfat, as eggs from overfat hens are almost worthless for incubation. Too many poultrymen confine their breeders to small, bare runs, without any inducement for exercise—and without sufficient exercise they soon become lazy and overfat, then the trouble starts. No breeding pen is complete without a good scratching shed. The care you give your breeders has much to do with your success.

Are you letting the public know what you have for sale? Do not put

your light under a bushel and expect the people to see it. The poultry business is largely a mail order one, and therefore you cannot hope to do business with people in other States unless you get your name and business before them. Nineteen fifteen is going to be a good year for the poultryman who lets the buying public know what he has to offer and offers it at a moderate price. Advertised wares are usually the best. Wrigley's gum, Old Dutch cleanser and Post Toasties are known and used in every nook and corner of the United States. Why? Because they have been advertised year in and year out for years. Does it pay these firms to advertise their goods? Well, they would hardly spend thousands of dollars every year at it if it didn't. Get the vision? ADVERTISE!

Now is a good time to start poultry keeping. You will have the whole spring and summer before you in which to become familiar with the work. You can start with eggs, stock or baby chicks. The better way, in our opinion, is to purchase a pen of birds, the very best that you can afford, and then you will have your eggs right at home where you can set them while they are fresh. Of course starting with eggs has some advantages—it is cheaper than starting with stock and we can sometimes get higher class stock by buying eggs from a breeder's best birds, than we would get by buying stock, for no breeder will sell you his best birds, but he will sell you eggs from them. Many people will take up poultry keeping during 1915, because other lines of employment no longer prove profitable, because of conditions brought on by the war. Success to you if you are one of these.

There is a lot of satisfaction in a good incubator. Our experience with incubators has been somewhat varied. We have in time tried a number of different makes of machines, but were never satisfied until we bought one of standard make. Cheap incubators are a source of endless trouble and ex-

(Continued on page 232.)

## REGAL MATINGS, 1915 White Wyandottes



For the season of 1915 I have mated up twenty beautiful exhibition matings. They are all headed by my winning males at Boston and the New York State Fair and contain all my exhibition females. Regal White Wyandottes have made wonderful records in the show room, but as a vigorous, rugged, heavy egg producing strain, they are in a class by themselves. February 15, we have 400 thrifty young chicks, practically out of danger, having lost only about ten chicks to date. Upon my show record and the utility qualities of my birds, I base my claim that Regal White Wyandottes are the best in the world. Can you make a better choice? Note what one customer says:

"From the setting of eggs from the pen headed by Sensation, I hatched eleven chicks and raised them all. I now have five cockerels that I value at \$70, and four pullets valued at \$20. This makes \$90 worth of stock raised from the eggs, which I call a good investment; in fact, I would not care to sell some of these birds at any price. In the past few years I have purchased eggs from several of the large farms, but never received for my money such genuine value as I got from your eggs. I never got over six chicks from fifteen eggs and I have paid as high as \$30 per setting.

"Assuring you that I am delighted with your method of doing business and your stock and that I am a 'Regal Booster,' I beg to remain,

Yours very truly,

"J. W. ARMSTRONG."

Exhibition Matings, Pens 1 to 20 (as they run), \$5.00 per 15; \$9.00 per 30; \$12.00 per 45; \$24.00 per 100. Pens 5 to 12 are special matings. Eggs from special matings only \$10.00 per 15; \$18.00 per 30; \$25.00 per 45; \$50.00 per 100.

### RECORD LAYING PENS (DORCAS LINE).

Pens 21 to 26 are composed of trapnested females with high-records, mated to males bred from heavy laying females. From these pens eggs are \$5.00 per 15; \$15.00 per 50; \$27.00 per 100. Utility eggs from vigorous surplus stock are \$5.00 per 50; \$9.00 per 100; \$17.00 per 200; \$25.00 per 300.

SPECIAL—One hundred splendid, vigorous stay-white cockerels, \$5.00, \$10.00, \$15.00, \$20.00 and \$25.00 each. Pullets \$3.00, \$4.00 and \$5.00 each. Some good utility cockerels \$3.00 each.

FREE—Illustrated catalogue and mating list, giving full description of my matings for 1915.

Send one dime for the "Regal White Wyandotte Book." The information it contains will be worth dollars to you.

JOHN S. MARTIN,

BOX 911

PORT DOVER, CANADA

Just say you saw it in The Industrious Hen.





Under this heading "Pick Ups Here and There," we will give our readers each month clippings from our exchanges that we think will interest them.

### Quick Growth in Little Chicks.

This is the time when many people begin to turn their thoughts again to the little chicks that give us so much pleasure, but sometimes also a lot of grief. I am frank to admit that these little fellows have often given me a hard nut to crack and the more care I bestowed on them the less sometimes they seem to appreciate it. I did not give up though and looked for pointers on raising chicks successfully, wherever I had a chance. I finally discovered that I fed them too much substantial feed and not enough green feed. While I did not exactly reverse the feeding system, I cut down considerably on the grain feed and increased the green feed correspondingly. I noticed a decided change in the death rate until at last they quit dying altogether, became more cheerful and made more progress in their growth than I had ever seen them do before. At least I thought so.

I have given all kinds of green stuff, but nothing has given me better results and nothing seems to me easier to feed and cheaper to produce than sprouted oats. There seems to be some particular nourishment in oats that is again absorbed by the sprouts, which does more good to the little chicks than any other green feed I have ever tried. Am using one of the Successful sectional sprouters; they are the handiest machines to produce this green feed one could use. No trouble or fuss to run them.

I keep on feeding sprouted oats all through spring, summer and fall and of course give plenty in winter to the laying hens. I find by feeding sprouted oats to the growing pullets they begin to lay earlier by about two weeks, other conditions being equal.

Give sprouted oats a chance this spring and see what they will do to your chicks and I am sure that your chicks will give you more enjoyment than grief. M. B.

### Trap-Nesting.

Times are changing. A few years ago we could hardly tell of a poultryman, other than those at experiment stations, who was trap-nesting every hen and keeping a correct record of their egg production. But now many of them are doing it. It is getting so that "utility" poultry is something more than the culls from a fancy flock. People want layers and they are buying them. They want purebred fowls but many are not quite so particular about their fancy points. In this connection it must be remembered that other laying qualities being equal, a breeder would naturally keep the best one from a fancy standpoint on his

place, sending the poorest to an egg-laying contest.

### Red Combs.

The comb begins to swell and have a red color when the hens are about to lay. When it is of a bright red color it also denotes health. There is no disease known as "black comb," as the comb is simply an indicator, and changes to pale or dark color, no matter what the disease may be. When the hens or pullets have been laying for a while the combs gradually lose the red color as the number of eggs is decreased, but it is only when the comb becomes very dark that it indicates serious illness of any kind.

### A. P. A. Election.

In the American Poultry Association election about to be held it appears that E. E. Richards, of Cedar Rapids, Iowa, will have practically a

clear field for president, while Secretary Campbell will have no opposition as candidate for secretary. More importance will doubtless be attached to the vote for meeting place of the next annual convention. It seems that

## FARM FENCE

17½c. a rod for 47-inch stock fence; 28c. a rod for 50-inch heavy poultry fence. All Open Hearth Galvanized wire. Sold direct to the farmer on 30 Days Free Trial. Barb wire, 80-rod spool, \$1.45. Write for FREE CATALOG full of big bargains. Interlocking Fence Co. Box 36 Morton, Illinois.

**1 1/2**  
**A ROD**  
**FOR 26-IN.**  
**FENCE**

## BROWN POULTRY FENCE

DIRECT FROM FACTORY

Stock Strong. Chick Tight. Double Galvanized. Mail postal now for free catalog and sample to test. The Brown Fence & Wire Co. Dept. 37, Cleveland, Ohio

**WE**  
**PAY**  
**FREIGHT**

Costs less than netting. lasts five times as long. Sold direct from factory, freight prepaid.

## POULTRY FENCE

48 INCHES HIGH

**22½cts a rod**  
Stays 4½ inches apart. Line wires 1½ inches at bottom to 3¼ at the top. Goes up like farm fence.

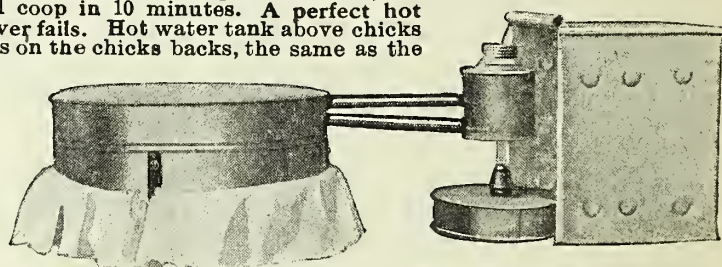
**27½cts a rod**  
for a 48-inch combined Poultry and Stock Fence. Lawn Fence 6c. a foot. Lowest Factory to Farmer prices. Catalog Free.

**KITSELMAN BROS. Box 253 Muncie, Ind.**

## A BROODER THAT WILL TAKE CARE OF 30 TO 50 CHICKS FOR \$2.50

Made of heavy No. 26 gage galvanized iron, strong and durable, can be put in any box or brood coop in 10 minutes. A perfect hot water heating system that never fails. Hot water tank above chicks that warms a flannel that lays on the chicks backs, the same as the old hen broods her chicks. Our FREE BOOK will tell you about 75 different articles we make as well as a 75 chick brooder for \$3.00, a 100 chick size for \$4.00. Send postal for this book today.

**WENDELL INCUBATOR CO.**  
97 Main Street HOLLY, MICH.



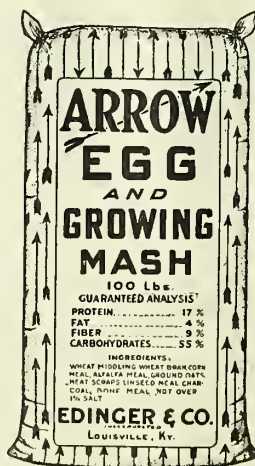
## McKEE'S BLUE ORPINGTON VICTORY

AT MADISON SQUARE GARDEN, NEW YORK, FEBRUARY, 1915

our birds won second cock, second and fourth hen, third cockerel and fourth pullet and second pen. Every bird we entered was under a ribbon this winning, and our winnings at Chicago and other shows is proof of quality. Eggs, \$7.50, \$15.00 and \$20.00 per 15. WHITE ORPINGTONS as good as the best, have won in keen competition for four years. Eggs, \$5.00 and \$1.50 per 15. MAMMOTH BRONZE TURKEYS and eggs. Write us your wants.

McKEE'S ORPINGTON FARM,

GARVEY McKEE, Proprietor.  
Watertown, Tennessee, Box 1.



## 1/2 EGGS — AND — HALF SIZE CHICKS

*Your hens are producing only one half of the eggs they should and your chicks are not making quick growth, if you are using ordinary feed.*

## ARROW POULTRY FEEDS

furnish the food elements to produce 150 to 200 eggs annually and to grow strong heavy chicks; 50c invested in Arrow Egg and Growing Mash means \$1 in additional poultry profits. Just give it a trial and judge by actual results.

*Our interesting and valuable booklet explains fully the feeding of poultry. Write us the name of your dealer, and we will send it to you free.*

**EDINGER & CO., Dept. A, Louisville, Ky.**



# SPAIN'S BARRED ROCKS AND M. B. TURKEYS

I have mated eleven pens of the pick of my last two years' flocks, embracing the Champion winners of Virginia and Baltimore, and I am offering the eggs from these matings at \$2.00 to \$5.00 per setting of fifteen eggs. Reduction on large lots. I won second Mammoth Bronze tom at Madison Square Garden Show, February 12-17, and I have this bird and two of his sons mated to the best lot of hens that I ever saw. Will sell a limited number of eggs from these matings at 50 cents apiece. I have several very fine cockerels in Barred Plymouth Rocks yet.

E. C. SPAIN,

CHURCH ROAD,

VIRGINIA

but few want to have it at San Francisco, as the attendance would not be representative. More seem to favor Niagara Falls or some place in the Central States.

## Hatch Pullets early.

The pullets of the large breeds should be hatched before the first of April, and if by the middle of March, it will be all the better as they will have plenty of time to grow before fall. Eggs of the small breeds need not be used until later, as such pullets require a much shorter period for reaching maturity.

The International egg-laying contest conducted at the Missouri State Poultry Experiment Station at Mountain Grove, Mo., which closed November 30, was won by a pen of ten S. C. White Leghorns owned by Tom Barron, of Catforth, England, with a total of 2,296 eggs for the year. The highest individual record of 286 eggs was made by a S. C. White Leghorn hen owned by O. E. Henning, of Meade, Neb.

The claim is made that Missouri leads all the States of the Union in the matter of poultry production. The Missouri hen lays twenty-four eggs for each man, woman and child in the United States, according to the latest claims from that State. The output of the Missouri hen, measured in money, is \$50,000,000 a year, which exceeds the wheat crop in the State of Arkansas for any given year, and the entire cotton crop of the State of Florida, Tennessee and Louisiana.

## Good Layers.

Every flock will have a few good layers with those that are not profitable, and the whole flock may be condemned, though some of the hens may be the best to be obtained. It would be an advantage to separate the layers and non-layers, allowing the latter only one-half as much food as the layers, for the reason that the laying hens require the more food, while the others may be too fat. Sometimes it will pay to sell all the hens but those that have been excellent producers at all seasons.

## A Clean Sweep.

W. B. Jenkins, of Oaklawn Poultry Yards, wins all first and seconds at Kentucky State Show, winning first and third hen, first and second pullet, first, second and third cockerel and first and second pen. No cock birds shown.

He makes a specialty of White Plymouth Rocks and if you are in market for eggs for hatching or good cockerel to head your breeding pen, you should write him for prices and description.

Every one of our readers who are interested in farm, poultry and lawn fence, barbed wire, etc., would do well to write Kitzelman Bros., Muncie, Ind., for their large, free catalogue. They are one of the oldest manufacturers in the business and offer a large assortment at prices that are very interesting. Their advertisement appears elsewhere in this issue.

## Single Comb Brown Leghorns!

Winners at Louisville, Lexington, Ky., Knoxville, Tenn., New Albany, Ind., Hamilton, Ohio, Indianapolis, Ind., Augusta, Ga. Cockerels at \$3 and \$5 each; Pullets at \$2 to \$5 each. Exhibition stock special prices.

EGGS \$2.00, \$3.00 AND \$5.00 PER 15

BONNYCASTLE POULTRY YARDS, - - - Louisville, Ky.

## EGGS WHITE WYANDOTTES EGGS

I breed no other variety. First winners everywhere shown. No finer nor healthier birds produced. Great layers. Raised on high and dry cedar range; never a louse, mite or disease. Eggs, first pens, \$1.50 (price last year \$2). Reduced account of increased production. Book orders ahead.

W. D. WILLIAMS, Jr., Westview, GREENEVILLE, TENN.



## ANCONAS

Layers unsurpassed: Farm raised and vigorous. Eggs \$1.25 per 15; \$2.00 per 30; \$3 per 50 and \$5.50 per 100. Grown stock for sale at moderate prices. Satisfaction Guaranteed.

VINELAND POULTRY YARDS  
TULLAHOMA TENNESSEE

## WHITE WYANDOTTES

Eggs for hatching from prize winning stock. Also a few nice cocks and cockerels for sale. I have won prizes at all of the shows that I have entered both this year and last. Write for mating list, FREE.

JOE AKERMAN, - - - Cartersville, Ga.

**NATIONAL CAPITAL**  
**WHITE INDIAN RUNNER DUCKS**  
 THE WORLD'S GREATEST WINNERS AND BEST LAYERS  
 LARGEST COLLECTION OF SUPERIOR QUALITY RUNNERS IN AMERICA  
 57 FIRST PRIZES, 16 SILVER CUPS, GOLD SPECIALS, CASH ETC.  
 THE HEAVIEST LAYERS AND THE MOST PROFITABLE OF ALL FOWL.  
 EGGS FOR HATCHING—SEND FOR CIRCULAR  
 NATIONAL CAPITAL WHITE INDIAN RUNNER DUCK FARM 4205-8TH ST. WASHINGTON, D. C.

## Fogg's Single Comb White Leghorns are Heavy Layers, Eggs and Baby Chicks.



From old breeders—they produce the strongest chicks—the KIND THAT LIVE. Eggs from Utility matings, \$1.50 per 15; \$3.50 per 50; \$6.00 per 100; \$25.00 per 500. BABY CHICKS, less than 50 chicks, 15 cents each; 50 to 300 chicks, 12 cents each; 300 or more chicks, \$11.00 per 100 chicks. Send for mating list today, giving description of all matings and prices on eggs and baby chicks on all matings. We guarantee all eggs and chicks to reach you in good condition and give satisfaction. Chick orders for March delivery should be rushed in. Write us your wants now.

N. V. FOGG,

Box 4250

Mt. Sterling, Ky.

Just say you saw it in The Industrious Hen.



## Kentucky Poultry Association News

### What the Kentucky Poultry Association Needs.

The Kentucky Poultry Association needs more boosters and workers in order to make the right progress and place old Kentucky on the map as a poultry producing State. We want more co-operation and must have it. We know that there are any number of poultrymen and women throughout the State who would like to see the association grow and prosper, but they will not give us the right kind of support to make a great showing. The association is growing, and growing faster than we really expected, but there is plenty of room for improvement, and we want every poultry raiser in Kentucky to boost and help us carry on this work. It is needed and must be carried out. If you are asleep, wake up, and get busy. You know opportunity knocks at every man's door, but do not stay home and wait.

### Will You Send in Just One New Member?

If you are not a member, send in your application at once, together with \$1.00, and let us enroll your name. If you are already a member, send us a new one. I am sure you can get some of your poultry friends to join if you will get busy and go after them. Just think what a nice increase in membership we could make if each member would send in one new one during the month of March. It can be done. Will you do your part?

Remember that the officers of this association or the members who are working hard to increase the membership, are working for the good of the industry in Kentucky. Do you want to come in and help us? You know the stronger the force, the greater results we can get.

### It Is to Your Interest to Join the Association.

The more members we secure between now and the time the show season opens, the more \$5.00 gold specials the association can offer. Can't you see where you are being benefited by joining and getting all your friends to join that you possibly can? By spending \$1.00 to join the Kentucky Poultry Association, you stand a chance to win one or more \$5.00 gold specials next fall and winter. There will no doubt be several large shows held in the State during 1915, besides several smaller ones, possibly eight to ten in all. If the breeders respond and help us get new members we will be able to offer \$25.00 in gold at every show held in Kentucky during 1915. If we do not offer these gold specials you will know why. Get busy. A hint to the wise is sufficient. Just think what a boost it would be to the industry in Kentucky to offer these gold specials to every show in the State! It would create more interest and do more than anything that could be done to place the industry on a plane where it should be in this State.

### To Get the Gold Specials, Mr. Secretary.

Mr. Secretary, if your show wants these gold specials, get busy now among your poultry members and friends and have them join the association at once, and be sure to point out to them how it will benefit them and help your show also. Gold specials are appreciated more than cups or anything else you can offer at your show. Five dollars in gold offered on cock, hen, cockerel, pullet and pen will prove a good drawing card for your show.

Careful attention to the little "leaks" would increase the net earnings of many poultrymen. Continual dropping will wear away a stone and so will enough small "leaks" eat up all our profits. Keep your eye open for such.

### Specials Won by Excelsior R. I. Whites.

A Rhode Island White cockerel won the A. P. A. special at La Crosse, Wis., January, 1915, for best male bird in the show under one year old. This was one of ten baby chicks shipped by Mrs. Vertrees to C. W. Happ, Rockford, Ill., on April 1, 1914. A Rhode Island White pullet won the special at Bennett, Neb., December, 1914, for the highest scoring pullet in the show. This was one of a pen of high scoring birds selected and shipped to Chas. E. Smith, Bennett, Neb.

### Millions of Dollars Lost Annually

During the breeding season in wasted eggs alone caused by impaired fertility. **CERTIFIED FERTILITY TABLETS** (Charles T. Cornman's formula) are the greatest discovery of the age. 100 doses 50 cents postpaid.

CERTIFIED FARMS CO., Inc. Dept. L. CARLISLE, PA.

### "Fine Chickens"

High Class Exhibition

White Orpingtons,

Eggs and Stock for Sale

Money back if not satisfied

W. A. ANDREWS - OPELIKA, ALA.

### BUFF ORPINGTON DUCK EGGS

High score, prize winning, farm stock. Eggs, First Pen, \$5.00, 13; Second Pen, \$2.50 per 13. Blue Swede duck eggs, \$2.50, 13; great layers; quick maturing; fine for green ducks. S. C. White Leghorns, fine egg strain, eggs, \$1.00, 15; \$4.50, 100.

C. L. SMITH,

ALGOA, TEXAS

### BARRED PLYMOUTH ROCKS

E. B. Thompson Imperial Ringlet Strain. None can equal them for exhibition or utility. Order now. Cockerels, pullets and eggs for sale.

WALNUT GROVE POULTRY FARM,

Route No. 1, MILTON, KY.

### BUFF ORPINGTONS (Martz Strain)

RHODE ISLAND REDS and BUTTERCUPS. Let us quote you prices on both stock and eggs. We have the winning kind and guarantee entire satisfaction or no sale. Address, C. F. BROUSE,

707 E. 19th Street, CHATTANOOGA, TENN.

### SIX TIMES THEIR WEIGHT IN EGGS

That is the record of a pen of our White Leghorns at the Missouri Egg Laying Contest. We won the Sweepstake prize at the Georgia State Fair in Macon, and recently sold a cock bird for \$150.00, which is probably the highest price ever paid for a Southern bred bird. We have a licensed A. P. A. Judge in personal charge of our plant. Largest White Leghorn farm in the Southern States. Write for catalogue which tells you all. It's free.

BEALLWOOD POULTRY FARM, Lock Box T, Columbus, Ga.

### Wisconsin Wins In Big Hatching Contests EVERY YEAR

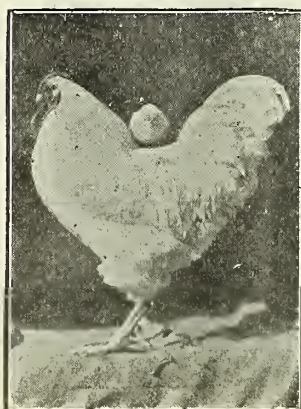
**130 Egg Incubator**  
**130 Chick Brooder**  
**BOTH For**  
**\$10 Freight Paid**  
**East of Rockies**  
**180 Egg Incubator**  
**and Brooder \$12**

Wisconsin Incubators won in 1910, 1911, 1912, 1913 and 1914 in National Hatching Contests—Thousand of machines competing. Catalog tells all about it—and why Wisconsin are winners. If ordered together—

**BOTH MACHINES \$10—Freight Paid East of Rockies**

Wisconsin have hot water heat, double walls, dead air space between, double glass doors, copper tanks and boilers, self-regulating. Nursery under tray. Incubator and Brooder shipped complete with thermometers, lamps, egg-testers, all set-up, ready to use when you get them. Incubators finished in natural color showing high-grade Calif. Redwood lumber we use—not painted to cover up cheap material. Send for catalog and we will send you a sample of the material, then you can compare it with the kind others use. If you will do this we know you will order a Wisconsin. Money back if not satisfied.

**Wisconsin Incubator Co., Box 60 Racine, Wis.**



### DIXIE'S QUALITY STRAIN WHITE WYANDOTTES

Every Best White Wyandotte Display for two years, wherever I entered a complete string, and not lower than third Best Display in show. Championship Honors at Memphis, Tri-State, Fort Worth, Texas, and Jackson, Tenn., shows this season. **THAT'S HOW THEY WIN.** The BLUE RIBBON PEN at ST. LOUIS COLISEUM, November, 1914, were straight Dixie Quality Strain Wyandottes. Mississippi A. & M. College report the pen purchased from me are the **BEST LAYERS** at the Station. Write for illustrated mating list, giving prices on eggs and stock. Book your order for eggs now. Our birds have been on green runs all winter and fertility is bound to be good. Eggs, \$2.00, \$3.00, \$5.00 and \$10.00 per fifteen.

CARRINGTON JONES, Box No. 145 BUNTYN, TENN.

Member Executive Committee, National White Wyandotte Club.

Just say you saw it in The Industrious Hen.



# CHICKS

White Runner Ducks }  
a Specialty

YOU WANT THEM EARLY—ORDER NOW

LEGHORNS—ROCKS—REDS

BRED RIGHT—HATCHED RIGHT—SHIPPED RIGHT

**SNOWFLAKE HATCHERY** { INDIANAPOLIS, IND.  
1404 Sturm Ave.

# CHICKS

## Cottonseed Meal for Poultry.

(Continued from page 216.)

"Here in South Carolina we have an abundance of cottonseed meal, which is one of the best feeds to produce eggs and grow young chicks. A mash compound to make eggs and not fat is here given:

Cottonseed meal .....	100 pounds
Corn meal .....	50 pounds
Ground oats .....	50 pounds
Wheat bran .....	50 pounds
Wheat shorts .....	50 pounds
Ground lime rock (fertilizer lime) .....	16 pounds
Ground charcoal .....	12 pounds
Salt .....	2 pounds

"This is the cheapest feed for making eggs, and though it has not been tested at Clemson College, the results that reliable feeders have obtained with it warrant our recommending this mash to you. Keep it in the house before the hens all the time. Use a covered box with slats around it, so the hens cannot soil or waste the meal, or put it in a hopper. Do not mix it with water, and feed only once a day, because the hens will overfeed and then stand around and get chilled."—Exchange.

## Ridge Spring Poultry Farm.

We wish to call the attention of our readers to the advertisement of Ridge Spring Poultry Farm, of Rineyville, Ky., who are making a specialty of S. C. White Orpingtons. Their birds have been winning at the best shows in the South for the past three years, and each bird which you find in their breeding pens has a trap-nested record; and if you will place your order with this farm, we are sure you will get your money's worth. They will furnish you as good White Orpingtons and as reasonable as anyone can expect. They have mated up a number of breeding pens, all headed by prize winners, and they are selling eggs at \$1.50 to \$5.00 per setting. Be sure to look up their advertisement and if you are in the market for White Orpingtons, don't fail to write them.

If you are interested in S. C. White Leghorns, S. C. Buff Orpingtons, S. C. Black Minorcas or Columbian Wyandottes, be sure to look up the advertisement of Mountain View Farm, of Mooresboro, N. C. They are offering some great bargains in both stock and eggs this month, and we feel safe in recommending them to our readers. They have been advertising in The Hen for a number of years and are perfectly reliable. Write them for prices and description, and be sure to mention The Industrious Hen.

## Champion S. C. Black Minorcas.

The past season has seen the S. C. Black Minorcas bred by R. H. Anderson, of Lynchburg, Va., prominent winners at America's largest shows, including Madison Square Garden, Grand Central Palace, Philadelphia, Hagerstown, Memphis, Atlanta, Augusta, Charlotte and Norfolk. They were in competition with the best Minorcas in the North, East, South and Middle West, and in every instance gave a good account of themselves.

During the past two seasons exhibiting at thirteen shows in seven different States, his Minorcas have won twenty-five first prizes, sixteen seconds, thirteen thirds, seven fourths and five fifths, a grand total of sixty-six prizes on seventy-two entries. This is without doubt one of the grandest lists of winnings ever made by any Minorca breeder in the same length of time.

Mr. Anderson's first pullet at the late Madison Square Garden Show was a "gem" and was considered by many as one of the greatest pullets ever produced. In our next issue we hope to give a picture of this wonderful pullet. Even the winning of a fifth prize at Madison Square is considered harder and more of an honor than a first at probably any other five shows combined.

# S. C. MOTTLED ANCONAS

Will have a few settings from our prize winning pen for sale through March and April.  
\$2.00 per 15. Write us.

## HULIN & DICKSON

LENOIR CITY,

BOX 312

TENNESSEE

# WILLMOTH'S "SUPERIOR STRAIN" S. C. WHITE ORPINGTONS

Won first and second cockerel, first and third pens, fourth and fifth pullets and fifth cock at the great Lexington show. Also silver cup for best display and two other specials. Our winnings here and at Kentucky State Fair stamps the quality of our birds. Eggs from grand trapped matings \$1.50 to \$5 per 15, all guaranteed fertile. Choice cockerels for sale cheap if taken at once. Write for prices.

## RIDGE SPRING POULTRY FARM

MRS. R. L. WILLMOTH

Box No. 20

RINEYVILLE, KY.

Are You Advertising?—Mrs. Vertrees Is—Note the Results.

Rhode Island Whites sold, booked or shipped in one week by Mrs. C. M. Vertrees, Cecilia, Ky.:

Monday, February 1, 1915—One cockerel and eight pullets to Easton, Pa., \$38.00; 100 baby chicks to Easton, Pa., \$20.00; three settings of eggs to Phoenix, Canada, \$20.00.

Tuesday, February 2—One cockerel to Kokomo, Ind., \$5.00; one cockerel and eight pullets to Fairbury, Neb., \$18.00; one cock and two hens to Wimauma, Fla., \$6.00; one cockerel to Franklin, N. H., \$5.00.

Wednesday, February 3—One cockerel and ten pullets to Manchester, N. H., \$25.00; one cockerel and four pullets to Cookeville, Tenn., \$10.00.

Thursday, February 4—One cockerel and seven pullets to Tellico Plains, Tenn., \$28.00; one cockerel to Skaneateles, N. Y., \$5.00; one cockerel to Indianola, Iowa, \$5.00; twenty baby chicks to Plymouth, Mich., \$11.00.

Friday, February 5—One cockerel to Allentown, Pa., \$2.00; ten baby chicks to Sacramento, Ky., \$4.00; twenty baby chicks to Watsontown, Pa., \$4.00.

Saturday, February 6—One cock bird to Eldorado, Okla., \$2.25; 100 eggs to Twin Falls, Idaho, \$10.00; 100 eggs to Cecilia, Ky., \$20.00; twenty-five baby chicks to Elgin, Ill., \$5.00.

Total sales for the week, \$243.25.



Kills chickens and poultry house of lice and mites in 48 hours. No handling fowls. Vapors kill insects. Big Bottle postpaid 50c. Money back if it fails. Illustrated circular FREE. Agents Wanted  
W. H. METZGER MFG. CO., Dept. 42 QUINCY, ILL.

## PRINTING FOR POULTRYMEN

125 bond letterheads and 125 good envelopes printed with cut of your breed and sent prepaid, \$1.00 Other printing cheap. Cuts of all breeds on hand. Samples and price list free. Fine work.

THE PRINTORIUM, Box 333 Denison, Kan.

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## BUFF AND WHITE

were big winners at the recent Chattanooga, Tenn., Lexington, Hopkinsville, Ky., and other shows. Large vigorous handsome cockerels, pullets, hens and eggs at reasonable prices. Address

DR. C. L. GRAY,

Box H

Lebanon, Tenn.



# MONEY-BACK POULTRY PUNCH

The Original Good One

Cuts clean, works quick and easy, and you can see what you are doing. Guaranteed satisfactory or money back. Plain finish 25c; nickel plated 35c. Mailed postpaid. Thousands in actual use.

T. W. ROGERS,

Box H,

Lamont, Ia.

# EGGS! EGGS! EGGS!

S. C. White Leghorns, Lawsons Blue Ribbon egg machines are running full time, large white fertile eggs from the world's champion layers, \$6.00 per 100; eggs from Blue Ribbon winners, \$5.00 per 15; 300-egg machine yearling hens for sale, \$1.75 each. Fine egg type cockerels \$2.50 and up. Listen! The first order for 1,000 eggs after Feb. 1st, with \$50.00 to pay for same, I will give one pair fine breeders free; second order for 1,000 with \$50.00 check, will give a fine breeding cockerel free. Ask for Mating List.

## WHITE HILL POULTRY FARM,

A. J. LAWSON, Prop.

Route No. 4

Cleveland, Tenn., U. S. A

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Men and Women living in towns, villages and rural communities can use spare time profitably selling our Incubators, Brooders, Hovers, Foods, Insecticides, Metal Goods and Poultry Supplies.

Liberal Cash Discounts Allowed—No Capital Required. Some of our Local Agents make \$200 to \$350 in the Three Spring Months and devote only their spare time to the work. For full particulars, address our place of business nearest you.

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Houses } 41 Barclay St. 12 Canal St. 329 Plymouth Ct. 317 Southwest Blvd. 316 N. Preston St. 2127 Broadway

Just say you saw it in The Industrious Hen.



# FERTILE EGGS AND A BIG, LIVELY HATCH

# Pratts

OF PHILADELPHIA

Before you set a hen or start your incubator this spring, build up your breeding stock. You will save time and money. Make sure that they will give you fertile, sure-to-hatch eggs by giving them

## POULTRY REGULATOR

No matter what breed you raise—the better the birds the more Pratts Poultry Regulator will do for them. Sold under our money-back guaranty that it will help your poultry. Go to the nearest dealer in Pratts Poultry Regulator and Remedies—there are 40,000 of them, or write us.

PRATT FOOD CO.

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Pratts Powdered Lice Killer. Sure death to lice on poultry and in nests or litter. Non-poisonous. 50c. and 25c.

Pratts Poultry Disinfectant. A liquid lice killer, germicide and deodorizer. \$1.00 a gallon, 35c. a quart.



This department is conducted by the J. A. Thornhill, New Decatur, Ala. If your birds are sick, write him; he will tell you through this department where your trouble lies. If you want a personal reply, send stamped envelope.

### Brooder Temperature.

Editor Industrious Hen,  
Louisville, Ky.

Dear Sir: At what temperature should the brooder chamber be kept from the time the little chicks are hatched until they get old enough to leave the brooder? How long should they stay in the incubator nursery? Yours truly,  
W. H. W.  
Savannah, Ga.

Answer.—Before the chicks are removed from the incubator you should have the temperature of the brooder regulated so as to keep it close around 85 degrees, then after you place the chicks in it you will be able to hold it to 90 degrees. Keep it here for the first week, gradually reducing it as they grow older, and larger as they do not need so much heat. Let the chicks stay in the incubator until the hatch is entirely over and then remove all at once to the brooder. Kill off all the weak and crippled and never try to raise anything but the strong vigorous chicks.

### Water Glass.

Editor Industrious Hen,  
Louisville, Ky.

Dear Sir: Will you please send me the recipe for preserving eggs with water glass. I have seen it several times recommended but I know nothing of it. I also notice one of my hens is sick and when I take her up and hold her head down a water discharge rushes from her mouth. It has a very offensive smell. She has no appetite at all. Very truly,  
E. C. B.  
Littleton, N. C.

Answer.—Water glass (sodium silicate) has proven very successful in preserving eggs and you can procure enough at your local drug-gist for 50 cents to preserve from forty to fifty dozen eggs. To each 15 or 20 quarts of water add one quart of water glass. Place the eggs in jars and pour water glass over them. Always have at least two inches of the solution covering the eggs. Use pure water, and to get this always boil it before using.

Your hen has a sour crop. Hold her head down and allow the entire contents of the crop to run out. Give her fresh water and allow only soft food for several days and this in very small quantities. Place in coop away from other birds in the flock, so you can be sure she is getting proper attention.

### Frosted Combs.

Editor Industrious Hen,  
Louisville, Ky.

Dear Sir: I have a Single Comb White Leghorn cockerel that got his comb a little frosted this winter and I would like to know if this will hurt his breeding any. He seems to be strong and healthy in other ways and full of vitality. Let me hear from you by return mail, as I enclose a stamp. I like

The Hen very much and have been a subscriber to it for the past five years. Yours truly,  
W. B. W.  
Evansville, Ind.

Answer.—If the comb is not badly frosted it will not hurt the bird in any way as a breeder, only it might ruin the chance of the bird ever winning a premium in the show room for you. Valuable show birds should be housed and cared for so as to protect their combs from the cold. Have houses that are properly ventilated and you will not be bothered with frosted combs in your locality. Air-tight houses are colder than houses with one entire side open. The fresh air, open-front house is the only house that proves successful in all climates.

### Feeding.

Editor Industrious Hen,  
Louisville, Ky.

Dear Sir: Since reading the February issue of The Hen I want to ask some advice regarding my chickens. I have a fine flock of Buff Orpingtons and I do not get an egg. I feed them all they will eat and give them a variety of grain, mash, green food and beef scraps and it seems to me that they should be laying. I house them in good comfortable houses and keep them clean and sanitary at all times. The birds are yearling hens and seem to be fat and healthy. Please let me

hear from you through your March issue. Very truly yours,  
Henderson, Ky.  
J. A. B.

Answer.—No doubt your birds are too fat to lay and you are feeding them too much, not making them take enough exercise. Decrease the ration and feed all grain in a deep litter and compel them to exercise after all the food they get. If possible give them free range and do not keep them confined in small houses or yards. Keep your birds hungry and they will be willing to hustle and work for all the feed they get. Exercise is essential to egg laying and good health. Fat birds are poor egg producers and profit makers.

### Day Old Chicks

With the stamp of quality. Safe delivery guaranteed up to 1,000 miles. White Wyandottes, Barred Plymouth Rocks, S. C. and R. C. Rhode Island Reds, S. C. Buff, S. C. White Orpingtons, S. C. White Leghorns.

**EGGS FOR HATCHING**  
at low prepaid prices. Chicklet Catalogue sent upon request.  
Goshen Poultry Farm, Goshen, Ind.  
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Save the Chick

Don't let white diarrhea and indigestion eat your profits. Give your chicks

**Conkey's WHITE DIARRHEA REMEDY**

in the drinking water from the start until they are 3 weeks old.

CONKEY'S POULTRY BOOK  
THE G. E. CONKEY CO

Tell your local dealer you must have Conkey's White Diarrhea Remedy, or write us if a Conkey dealer is not nearby. Packages, 25 cents and 50 cents.

**CONKEY'S STARTING FOOD**

is a wonderful aid in starting the chicks right. Feed to every brood you hatch. Send 4 cents for

No. 1011 Conkey Bldg., Cleveland, O.

## LONG'S SILVER WYANDOTTES

Win four firsts at the Club Show in Chicago in December, 1914, with 167 of the World's best Silver's competing. Send for grand catalogue.

POPE M. LONG,

CORDOVA, ALA.

## S. C. BLACK MINORCAS FINE WINTER EGGS NORTHUP STRAIN

Winners of the recent Owensboro Poultry Show; 1st cock, 1st Hen, 1st, 2nd, 3rd and 4th Pen on six entries. Write for prices and description. Book your egg orders early.

J. D. RUSSELL,

Owensboro, Kentucky

## PARTRIDGE WYANDOTTES

Winners at the Owensboro Poultry Show, 1914. Old and young stock for sale. Booking orders for eggs. Write for prices. Satisfaction guaranteed. Address,

J. V. BARTLEY,

Route No. 2

Philpot, Kentucky, Daviess County

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BABY CHICK FOOD

A baby food for baby chicks. The wonder of experienced poultrymen, the salvation of beginners. Has saved millions of baby chicks. Carries them safely through the first three weeks, and insures rapid, healthy growth.



If your dealer is not one of the 40,000 who handle Pratt's, write us for prices and Baby Chick booklet.

PRATT FOOD CO. Philadelphia, Chicago and Toronto

ONE CENT PER CHICK FOR THREE WEEKS

**Campines as Layers.**  
Editor Industrious Hen,  
Louisville, Ky.  
Dear Sir: Do you consider the Campines good layers? Which are considered best, the Silver or Golden? I am going to get a start in them and would like to have a little information as to their good and bad qualities. Please answer through the March issue of The Hen. Yours truly,  
W. A. G.  
Huntsville, Ala.

Answer.—Yes, Campines are considered good layers; and as to which is best, I believe that one will lay just as many eggs as the other, under the same conditions. They are getting very popular, and I am sure it is on account of their good qualities. You would not make a mistake to choose either variety. The standard requirements are the same excepting in color.

**Open-Front Houses.**  
Editor Industrious Hen,  
Louisville, Ky.  
Dear Sir: Do you consider open-front poultry houses practical in the North? And can it be used to as good advantage there as in the South? I know fresh air is essential to the health of poultry, but will not the open-front house freeze the combs in the colder climates?  
H. H. W.  
Taylorsville, Ill.

Answer.—The open-front fresh air house is the only practical poultry house you can use and is suitable for any climate. Birds must have fresh air. If you will use this style house you will have healthier birds and will get a greater egg yield from them. It is hard to freeze a bird's comb in this style, but very easy in the old style tight poultry house.

**Latest Winnings of Catalpas Poultry Yards.**

Barred Plymouth Rocks.—At the great Kentucky State Poultry Show held at Lexington, Ky., January, 1915, we won: Second, third, fourth and fifth cocks; first, third, fourth and fifth hens; fourth cockerel; first, second, third and fourth pullets; first pen; also first, second and third pullet-bred cocks; first, second, third, fourth and fifth pullet-bred cockerels; first pullet-bred pen; first and second cockerel-bred hens; first, second, third and fourth cockerel-bred pullets; first cockerel-bred pen; club special for best colored female; club special for the best shaped female; the Lehman five dollar gold coin special for the best display of any variety of poultry in show.

S. C. White Orpingtons.—At the great Kentucky State Poultry Show held at Lexington, Ky., January, 1914, we won: First and third cocks; fourth and fifth hens; first and third cockerels; fourth and fifth pullets; the Louis Lee Haggin solid silver cup, valued at one hundred dollars, for the best cock, hen, cockerel and pullet in the show; the A. P. A. gold medal for the best cockerel in the show, owned by an A. P. A. member, all varieties competing; the A. P. A. bronze medal for the best White Orpington cockerel shown by an A. P. A. member; the Poultry Advocate special for the best White Orpington cockerel in the show, and two club specials for the best cock and best cockerel in the show.

S. C. Rhode Island Reds.—At the great Kentucky State Poultry Show held at Lexington, Ky., January, 1915, in one of the hottest classes of Reds ever brought together, we won: Second cock; fifth hen; first, fourth and fifth cockerels; first, third and fourth pullets; first old pen; fourth young pen; Poultry Advocate special for best S. C. R. I. Red cockerel in the show; the A. P. A. gold medal for the best cockerel in the American class; the club special for the best colored male; the club special for the best shaped male; the club State silver cup for best display of S. C. R. I.

Reds; all four of the shape and color specials as offered by the Red breeders club of the world.

White Wyandottes.—At the great Kentucky State Poultry Show held at Lexington, Ky., January, 1915, we won: Second, third, fourth and fifth cocks; second hen; first cockerel; first, second and fourth pullets; first pen; Poultry Advocate special for the best White Wyandotte cockerel in the show; Kentucky Poultry Association's five dollar gold coin special for the best pen in the American class; exhibitor's special for the best pen of birds in show owned by a contributor, all varieties competing; three specials offered by the National White Wyandotte Club for best cockerel, best pullet and best pen.

Medals of Honor.—At the same great Kentucky State Poultry Show held January, 1915, at Lexington, Ky., we won: The special bronze medal of honor as offered by the Kentucky Agricultural Experiment Station for having won more points than any other exhibitor of poultry in the entire show; also three grand bronze medals of honor as offered by the A. P. A. on three of our varieties; we were also entitled to the club silver cups to be offered at one show in this State each year by the National White Wyandotte Club, and also by the American Barred Plymouth Rock Club, as we won more points than all other exhibitors combined in these two varieties, but for some misunderstanding the cups were not offered in this State this year.

Advertise in The Industrious Hen next month and sell your surplus stock and eggs.

Subscribe now and read The Industrious Hen for the coming year.

*Van* WANTS TO SEND YOU A DIME

Coupon good as part payment on your subscription to any poultry paper listed in his 48 page Catalog No. 2. Catalog and Coupon are Both FREE. H. E. VAN DUZEE, CARRIER 50, ST. PAUL, MINN.



STAY-ON ALUMINUM POULTRY AND PIGEON BANDS  
Smoothest and most secure. Best by test. 25 for 20c; 50, 35c, 100, 60c; 200, \$1 bill. Pliers for applying bands, 25c each. Catalogue free. AMERICAN BAND WORKS, Box 21, Canton, Mo.

Partridge Plymouth Rocks, Buff Orpingtons, Partridge Cochins Bantams

Winners Quincy, Ill., Centerville, Ia., Des Moines, Ia., State Show, Kansas City, Mo. Mating list ready. Stock.

DR. STATLER, Granger, Missouri

HAVE YOU SEEN IT?

Our price-wrecker. Tells you how by co-operative and economy we can sell you eggs from best stock at lowest prices. White Runners, Anconas, White and Barred Rocks, White and Buff Orpingtons, White and Buff Leghorns, R. I. Reds and Rose Comb White Orpingtons. Send for it today. CONAVILLE YARDS, Mallett Creek, Ohio

SUPERIOR  
SANITARY  
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The "ORIGINAL"  
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Original and up-to-date, of progressiveness we boast, Since we first employed your Uncle Sam with his Parcel Post; Our Sanitary work will bring a smile--make happiness complete, It's Guaranteed. We Return it Prompt, packed secure and neat. Bundles fifty cents or over, the Postage Both Ways we pay, Write for Information (or better still). Send a Trial Bundle Today; Charge Accounts are opened to parties with reference, Tried once, this Laundry will always be your preference.

ROOSTER OR CAPON

GEO BEUOY  
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Which Shall it be 20c Rooster or \$2.00 Capon?

Let me explain how to do it. I have this information all illustrated and printed in a nice little circular that I will be glad to send you free of cost. As President of the Kansas State Poultry Federation it is a part of my duty to furnish you this information. Send me your name and address plainly written and I will send it to you by return mail.

GEORGE BEUOY, R. R. 27, Cedar Vale, Kan.





# TURKEY & WATER FOWL

## DEPARTMENT

This department is conducted by J. C. Clipp, Saltillo, Ind., and any questions that you wish to ask will be answered through this department, if addressed to Mr. Clipp at Saltillo, Ind. If a personal reply is wanted, enclose a stamped envelope.

THE turkey breeder that attempts to get through with small, inferior birds just because he is able to buy them cheap will wake up in the early future and find himself almost if not entirely out of the game. Last week a party drove to our farm from quite a distance to buy a tom and two hens. After I had shown him over our flock, I asked, "What kind of turkeys do you want—good breeders or some of our first class exhibition specimens?" He says, "Well, I want good birds; a tom not under thirty pounds and pullets no kin, not under seventeen pounds; but they must be reasonable in price, so that I can buy them."

I inquired of him a few points regarding some sections of the turkeys, to find out just what he preferred, and I soon learned he knew a good Bronze turkey and knew what he wanted. I then promptly named the price, just the same as we had been pricing and shipping to our mail order customers. He said, "Well, no use to look further; I could not pay no such price as that." I said to him, "What are you willing to pay for that tom there and those two largest pullets," and to my surprise he said, "I would not think of paying over three dollars each for the pullets and five dollars for the tom." I said, "My friend, fifty dollars would not touch that tom; he is the best out of seventy-five head and is full brother to a number of leading winners at some of America's best shows this season. I can't sell you good turkeys at market prices."

He then inquired the prices of some of our June hatched pullets and June and July hatched toms. I soon found that he was a very "cheap John," and only had comprehensions of market prices for turkeys regardless of quality. I have been breeding turkeys for years and I have learned that such selection of breeding stock soon puts one out of business.

My idea is this in regard to mating or selecting breeding stock: Select the individuals that have developed most strongly the primary characters of their sex. This is the first and most important feature to consider in selecting good breeding turkeys. This statement you will notice just about covers the whole ground. The man or woman that does not take into consideration these preferences will invariably work against his own interest, because success in the breeding of turkeys can never be reached in full measure unless this preference has been fully observed.

The male bird especially should be sufficiently developed to perpetuate his kind. The small, unmaturing male

should never under any circumstances be selected as a breeder. What I mean by this is, a tom that is so young that all his secondary sexual characteristics are undeveloped. He must be sufficiently developed to have all those special characteristics as near perfection as is possible to have them. I am frequently asked if a June hatched tom is sufficient to breed from. That all depends. A June hatched tom may have been half starved, or in other words only half grown, and as a result of this improper management he is not developed and never will develop sufficiently to make a good breeder; while on the other hand, a June tom may be well bred, well grown and skillfully handled so as to have all the sexual characteristics fully developed. In fact, he may be the most vigorous tom in all the lot. I know last season I had a very fine young tom that was hatched in June that had grown off rapidly, was full of snap, was of the most ideal

color, fully developed in type (not entirely grown, as you know they grow until three years of age), and I mated him with a few large yearling hens, and at the close of the season loaned him to a friend to use on a pen of fine hens, due to the loss of his regular breeding tom, and to our surprise the poults in both instances came strong, eggs were highly fertile, and today I have some pullets from this mating that are as good as the sun ever shown over.

Nature has some laws and regulations that cannot be overcome very well, and here is one of them. If an individual has been well grown, he will as a rule be fully developed early,

## PURE WHITE RUNNERS

### Fishel and Rhodes' Stock—None Better

Our circular which is a price-wrecker tells you how we can sell eggs from this fine stock so low; also Rocks, Reds, Orpingtons, Anconas and Leghorns. Send for our price-wrecker today.

CONAVILLE YARDS, Mallett Creek, Ohio

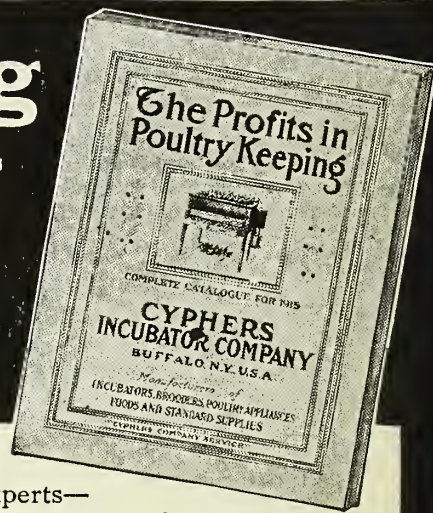


I have a fine lot of White Plymouth Rock cockerels for sale at \$2 to \$5 each. Eggs for hatching from fine matings at \$3 for 15 eggs; \$5 for 30 eggs. Satisfaction guaranteed in all respects. My birds are nice, and if any person becomes dissatisfied after receiving them I will make it good.

P. A. GEORGE,  
HOHENWALD, - - TENN

## Make a Big Success This Year with Cyphers-Helps

You are entitled to the helpful suggestions of the Cyphers Co. experts—free—whether you become a Cyphers customer or not. Let us send you this new 1915 book in which you get the benefits of our 18 years' experience. With it we will send you a large special color-plate circular showing you our complete 1915 offer of

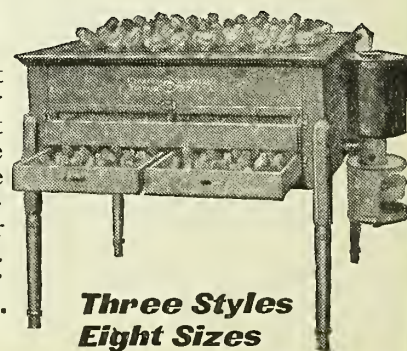


Write for  
This New Book

## Cyphers - Built Incubators \$10 and Up

This means poultry profit insurance at popular prices. This year you have your choice of 3 styles—8 sizes—all built with same care and skill that made the name Cyphers world famous. Write today for 1915 offer and new and complete catalog. We sell everything for practical, successful poultry raisers.

**CYPHERS INCUBATOR COMPANY**  
Dept. 13  
Buffalo, N. Y.  
Boston, New York, Chicago, Kansas City,  
Dallas, Oakland



Three Styles  
Eight Sizes



“QUALITY OR QUIT”

“UTILITY OR BUST”

LAKE FOREST SINGLE COMB REDS

Ours are the champions of the South. We have won the honors in the show room and it is our ambition now to win in the egg-laying contest. Watch the report from Nashville, where we have our hens in the contest. We raise all our show birds, having line bred for nine years. We can furnish eggs or day-old chicks in any amount. Write for mating list. Fifty splendid cockerels for sale at a bargain.

ROBERTS & FARRAR

“THIRTY ACRES OF REDS”

Office: CHATTANOOGA, TENN.

Plant: ROSSVILLE, GA

and be as sound as a rock, but if you cripple nature by in-breeding or by improper mating or feeding you will have a miniature specimen, a specimen unfit for breeding purposes. So then, we cannot always say such aged specimens will do as breeders, but if the individual has been perfectly developed, then age has but little to do with it, other things being considered. Of course I prefer an older bird for breeding purposes and always try to obtain them, but frequently use well developed young birds. But to the point I want to present most emphatically is this: Don't look at a dollar so much. Too many look at the "almighty dollar" as if it could save their souls from infernal dastard punishment. Our proposed customer just mentioned, only had the saving of a few dollars in mind, could not see the wisdom of spending \$10 as it were, and make \$100. Thousands of good people have this weakness. When we are mating our turkey pens the price has but little to do with it if we can get just what we want. It's a little like advertising; it's not how much the space cost, but the results the space brings. No man would hesitate to pay \$500 for any article if he was sure he could make good out of the investment.

When it is a well known fact that good quality in turkeys sell at a good price I cannot see why so many breeders, and often experienced breeders, will hesitate to buy a good individual. When turkeys are largely bred for size and fancy color, why tolerate a small and inferior bird in plumage for a breeder when good individuals can be had at just a little more expense, and the profits on such matings are more than double? All these things is a mystery to me.

Mate turkeys as near standard requirements as possible, that is, birds up to and a little over standard weight is my idea, but not too large. The excessive size is for exhibition purposes, if they have the fine markings, more than they are for good breeding. Overgrown turkeys have never been satisfactory with us for breeding purposes, but the birds that were near standard size were the most satisfactory. Great size is no guarantee of excellence. Enormous overgrown birds are a nuisance. We can have what is termed enormous size and then only have standard bred turkeys, or turkeys slightly over standard size, because so many turkeys fall far short of standard size.

Then again, don't get the impression that enormous sized hens are the most satisfactory as breeders, for they too are a nuisance. Those large overgrown hens seldom ever lay fertile eggs, but infertile eggs, soft-shelled eggs, eggs that are inferior in shape—in fact, eggs that are simply worthless. Now, let me say that the turkey that comes up to standard size is

far superior to those large overgrown specimens.

Again, the color of the Bronze turkeys is not well understood. Only today I have a letter from a breeder asking for the description of a tom in color and size, and says in conclusion, "Those inferior copper-colored bronzed turkeys will not be considered." This party evidently does not know what he wants, as the copper color is just what we all want. When we compare the metal color to the average color of the bronze, we find quite a contrast, but when we compare the ideal colored bronze feather with the metal copper bronze we have almost the same thing exactly, and holds a rich red shade and not a green sheen which we all fall over ourselves to get away from.

The rich red mixture of copper and brass, where every other feature is equal, is the color all well informed turkey judges favor, and is the color the Standard of Perfection calls for.

Why tolerate any other when it is just as easy to breed and raise good birds as it is inferior specimens. It is inferior or second grades every turkey breeder has difficulty in disposing of and not the top-notchers or the standard sized birds that are clothed with this rich red copper bronze.

J. C. CLIPP.

S. C. BUFF LEGHORNS  
STATE FAIR WINNERS  
Eggs \$1.50 and \$2.50 per 15  
W. L. WILLIAMS, Jr., Frankfort, Ky.

Buff Plymouth Rocks

Have won for last five years. This year at Atlanta and Morristown. Place your orders for EGGS. Stock in season. Also S. C. Reds and Buff Cochins Bantams.

J. J. THOMPSON,  
Morristown, Tennessee

WHITE WYANDOTTES—THE GAW STRAIN  
DAY-OLD CHICKS—MONTH-OLD CHICKS—SHOW AND UTILITY STOCK  
Winners at Owensboro, Ky., 1914, in one of the strongest classes ever in the State. Write for information. Address,  
ALBERTA POULTRY FARM, Paul J. Gaw, Prop. STANLEY, KENTUCKY

THOMPSON'S ROSE COMB REDS

Still in the lead. Nine firsts, five seconds, two thirds, cup and five specials this season. Two A. P. A. Diplomas for best R. C. Red cockerel in shows. A few cockerels yet for sale. Also "Eggs-to-Hatch." Write for mating list with prices, etc.

D. MATT THOMPSON, BOX B, STATESVILLE, N. C.

S. C. WHITE LEGHORNS BRED TO LAY AND WIN

At three fairs and two shows in 1914, have won 49 prizes and two silver cups. Eggs from these winners \$2 and \$3 per 15. From free range stock \$1 per 15. Write for prices on 100 lots. Old and young stock for sale. Mention this paper.

LESLIE ST. CLAIR. R. D. No. 3. LA VALLE, WIS.

6<sup>TH</sup> YEAR

POINTS THE WAY  
START RIGHT  
YOU END RIGHT

SEE THAT "XX"?

This is what the Magic Egg Tester will do before incubation:—Picks out the best eggs for hatching. Throws out the weak eggs. Rejects old ones. Saves many eggs, time and money. During incubation it is a perfect moisture regulator. What the manufacturers do:—Give every purchaser one year's trial and refund cost if not satisfied. Complete \$2.00. No expense to use. Orders shipped Parcel Post same day as received.

Magic Egg Tester Works. Dept. G, Buffalo, N. Y. and Bridgeburg, Canada

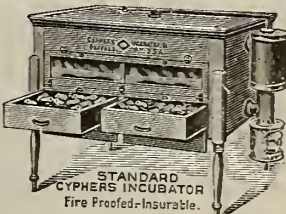
We Are Agents

for CYPHERS Incubators, Brooders, Colony Brooder Hovers and CYPHERS complete line of Poultry Supplies. We can sell you a CYPHERS built machine from \$10.00 up. Other things in the CYPHERS line at reasonable prices.

We carry a complete line at all times. If you can't come to our store write us for catalogue and prices. Address

HALL SEED CO.

Preston and Jefferson Sts. LOUISVILLE, KY.





## Notes and Comment.

(Continued from page 223.)

pense. There are a number of good ones on the market, any of which would give satisfaction. And there are also a large number of poor ones which may give passable results for a year or two and then the trouble starts. Remember that we usually get what we pay for when we purchase any article, if we pay a cheap price we are pretty sure to get a cheap article. Good incubators cost the manufacturer money, therefore he cannot afford to give them away. Remember this when you buy. It may save you money and trouble too.

T. C. Hitchcock, of New York City, has leased a small farm just outside the city limits of Shelby, N. C., and is establishing an egg farm, using S. C. White Leghorns for the purpose. Mr. Hitchcock expects to ship his eggs direct to the New York market.

The past winter has been an unusually wet one in this section of the country, probably the worst in this respect for a quarter of a century. We hope for a nice spring and summer in which to rear our chicks. Damp-



This Buff Orpington, exhibited eight times, winning first each time, heads one of the yards of Bloom Kendall, Shelby, N. C.

ness kills many thousands of chicks annually, thus the advantage of dry weather.

Those of us who are so fortunate as to live out on the farm, where land is plentiful, should plan now to grow a large part of our feed for the next year. Wheat, oats and corn are three best grains for poultry, and we can grow every one of them right at home on our own farms. Moreover, the quality of home-grown grain is always good, provided we take reasonable care in harvesting and storing it. There is a lot of satisfaction in having our year's supply of grain in our feed bins, then we are not worrying when the price goes away up. How many bushels of grain will you grow this year?

The following story comes from Shelby, N. C.: One of Shelby's backlot poultry keepers recently decided to have one of his White Orpington

hens for dinner. He went out into the back yard and after catching one of the hens, proceeded to cut off her head. Looking around he saw only a few feet away his pet rooster lying flat on his back, giving an occasional quiver as life became extinct. He had died from seeing his mate killed. Next!

The utility side of the poultry business is demanding more attention than ever before. Egg laying competitions have done much to stimulate interest along this line. We would like to see a competition of this kind staged here in the South. We are sure that there are a large number of poultrymen here who would give their support to such a contest.

The outlook for the spring trade is very encouraging. We believe that, taking all things into consideration, there will be a substantial egg and stock trade done in the South this spring. Be ready for your share of the business, which is sure to come if you let the buying public know what you have to offer.

## A Glimpse at Rancocas—"The Million-Egg Farm."

Located in the famous New Jersey pine section, on 490 acres of level sandy loam, this farm is indeed ideal for raising healthy, sturdy hens of high egg production capacity. This farm has been termed "the world's largest commercial egg farm." Here are thirty-six large laying houses, forty breeding houses, sixty colony houses, storage room, concrete office building, oats sprouting building—in fact a regular poultry city. The large laying houses have 500 hens to the house, while the smaller houses are used for special matings. The houses placed end to end would make over a mile of solid roofs.

The farm is not an untried proposition, but has been developed from a small beginning, originating ten years ago, and gradually increased each year to its present proportions.

In its first years several breeds were tried, but gradually all breeds for commercial egg production were eliminated but White Leghorns and the average number of Single Comb White Leghorn egg-laying and breeding birds is over 20,000. These have been bred for nine years for high egg production, stamina and vitality. As proof that these have been ob-

tained, this farm guarantees 100 per cent fertility on all eggs shipped out for hatching, and the safe arrival at the buyer's express station of every baby chick bought.

While the Rancocas farm caters especially to hatching eggs and baby chicks for equipping commercial egg farms, yet the same careful and personal attention is given to an order for a setting of eggs or a few baby chicks as to the largest customer. Catalogue giving fully the Rancocas methods will be sent gladly to any one addressing the Rancocas Poultry Farm, Box 633, Brown's Mills, N. J.

## Meyer's Langshans

Again show their quality at the great Coliseum show held at Chicago, Dec. 1914. I won on 15 birds 5th cock, 4th and 5th hen, 3d cockerel, 1st pullet, 1st young pen and 2d old pen, in a hot class every one of them a winner. Eggs from these great birds \$3.00 per 15 or \$5.00 per 30. Write for free circular.

W. A. MEYER,

Box D Bowling Green, Mo.

My two pens of cockerel mated Barred Rocks are headed by 10 and 11-pound cockerels. Both have fine wings, yellow legs, grand shape and barred to the skin. The pullets are beauties. Eggs, \$2.00 per 15. Fair hatch guaranteed.

ZENOS HOWARD,  
CAMPUS, ILLINOIS

SINGLE COMB RHODE ISLAND REDS

"WILLADAIR" REDS ARE RED

Celebrated "Bread and Meat" Strain. All good layers, some exhibition birds. Am getting 18 and 19 eggs every day from three pens—24 hens. Eggs, \$1.50 for 15.

W. A. ADAIR,

Marshall, Texas

## GABHART'S WHITE LEGHORNS

For 12 years I have won and furnished winners for the best shows. Guaranteed eggs that will hatch winners, \$3 per 15; \$16.00 per 100. From pure stock on range, \$1 per 15; \$5 per 100. Stock for sale.

W. E. GABHART,

BOX M,

BOHON, KENTUCKY

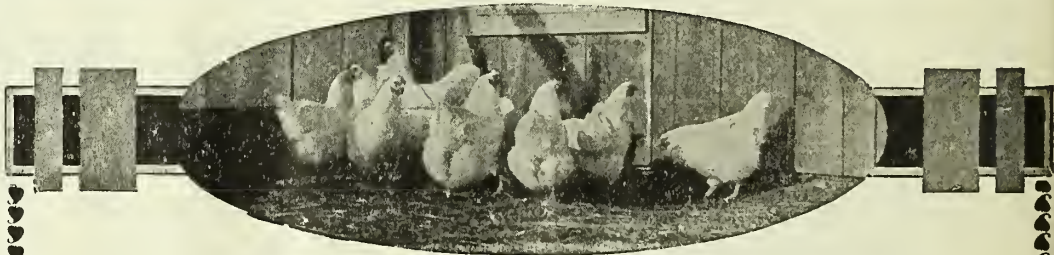
## PRIZE WINNING WHITE WYANDOTTES

Eggs from best pen \$2.00 per fifteen, a few nice Cockerels at bargain price, from high grade, prize winning stock, satisfaction guaranteed.

MT. FAIRVIEW POULTRY YARDS

O. M. VERMILLION,

PERSIA, TENN.



## ILLUSTRATE YOUR ADVERTISING

with an attractive cut of some of your prize winning birds. It will mean better publicity, more sales and greater results from your advertising. Get in touch with our Artist, W. J. Smith, and let him figure with you. Try using an attractive cut in your advertisement next month and see the difference.

AND

Remember STEADY Advertising

PAYS

A BIG DIVIDEND



Suggestions Worth Reading.

In these piping days of war and high prices it is but natural that man should "make haste slowly" in the matter of parting with his hard earned money. With wheat aeroplaning way up around \$1.50 and corn and oats following in perfect accord, it behooves the hen man to contemplate carefully each and every member of his flock. If there be a "dead head" or two, he had better treat the home folks to a nice baked hen or a stew of chicken and dumplings. If he be a real "dyed-in-the-wool, double-dipped," chicken crank he will turn his face toward the sun of optimism and reflect thusly: "Well, there is always something to be thankful for."

If wheat is high and meat is high, eggs surely will hold their own. After I pay a high price for my grain, most everything else is kept down to normal by "Old Dame Nature" herself.



White Orpington Male, bred and owned by Ridge Spring Poultry Farm, Rineyville, Ky.

Good, pure water always was cheap, and you know "Biddy" uses it plentifully. Do not the scientific chaps tell us that an egg is seven-eighths hydro? "Biddy" does a real artistic stunt in the grinding line. And what is cheaper than her grinders? A cart load of sharp, coarse sand would keep a thousand of her kind grinding perfectly for months, and costs about \$1.00 per ton.

Twenty-five cents worth of lime will make a goodly supply, both air and water slaked, and of course "Biddy" needs it so she can form the marble wall outside the curtain of silk that surrounds the river of milk that floats the golden ball, all of which she manufactures seven-eighths water. You can get a barrel of charcoal for fifty cents, and if you drop a chunk of it on the floor and stand on it with your hob-nailed shoe you will convert it into the finest blood purifier and bowel cleanser that "Biddy" can possibly use in her egg factory.

When you find that burglars are working on "Biddy" "a la cascade"—"while she sleeps"—you can get enough coal oil and crude carboic acid for fifteen cents to slaughter about 756 millions of the pesky thieves, as well as give "Biddy's" bedroom a clean, wholesome odor.

Say, hen man! shake yourself out of that pessimistic reverie of yours, and take a good hard look at the realities nature has given you almost for the asking.

JAMES L. HENDRY,

Maywood Poultry Farm Makes Wonderful Improvements.

Not alone does the Maywood Poultry Farm, of Anchorage, Ky., hold the honorable distinction of not having gone into the show room without coming out with a string of winners, except once when the birds were delayed in transit and were received in the show room after the judging was over, and this distinction extends over a period of five years, making all of the State fairs in the South as well as the winter shows in Louisville, Indianapolis, Cincinnati, Atlanta and other places of equal importance.

This farm is probably better stocked and better equipped to turn out high class White Leghorns and White Wyandottes than almost any plant in the entire South. For over a year carpenters and other mechanics have been busy building to take care of the increased capacity of the plant. Among these improvements are the new incubator cellar now with a capacity of almost 10,000 eggs every three weeks; a new Newtown Giant incubator, in addition to the original equipment of sixteen oil machines. The new brooder house has twenty pens with a capacity of 2,000 chicks and is equipped with a Newton system, the old brooder house had 1,200 capacity and is now equipped with a Prairie State brooder stove to take care of the utility stock. A show room of thirteen rooms with conditioning coops in each takes the place of the old one much smaller. This show room is used to display birds for sale and also to condition birds for shows; it is heated so as to avoid frozen wattels in preparing birds for winter shows.

A beautiful little bungalow cottage was built last summer for the superintendent. It is comfortably arranged and has telephone communication with other buildings on the place and also a long distance telephone so that he can be called up from Louisville, etc. A complete system of electric alarms is connected to every incubator and every

brooder so that danger from this point is eliminated; even there are electric alarms to notify should a cellar flood.

The carpenters are now working on a shipping and packing room, and as soon as this is completed they will start on another large house for the Wyandotte flocks. A Leghorn flock house with a capacity of 300 was just completed and is stocked with beautiful pullets.

This plant today stands as a model of its kind. It has over 1,000 breeders with an additional 300 when the new house is completed. When feeding time comes there are 123 pens to be visited.

The Maywood Poultry Farm is the hobby industry of Eugene J. Straus, secretary of Herman Straus & Sons Co., Louisville's department store, and has been built up mostly from the profits of the plant; but this has taken some years to accomplish. Mr. Straus' motto is, "A pleased customer at any cost," and he boasts of the fact that the larger part of his orders come from persons who have bought before. At this time he is sold for over sixty days on one grade of baby chicks. He tells of a shipment that he made to Cannon City, Col., four days on the road, with a loss of only three chicks out of one hundred. That is Maywood vitality.



All steel, nickel plated, punches clean, hole is right size, will not bruise the foot. Price 25c by mail or at your dealer.

J. O. PETTEY, Box 54 Belvidere, Ill.



BREEDER OF EXHIBITION AND HIGH CLASS UTILITY  
**WHITE LEGHORNS** **MAYWOOD WHITES**  
**WHITE WYANDOTTES** **ARE WHITE**  
Write for catalogue, breeding stock, baby chicks, eggs for hatching  
**MAYWOOD POULTRY FARM, Box 141, ANCHORAGE, KENTUCKY**



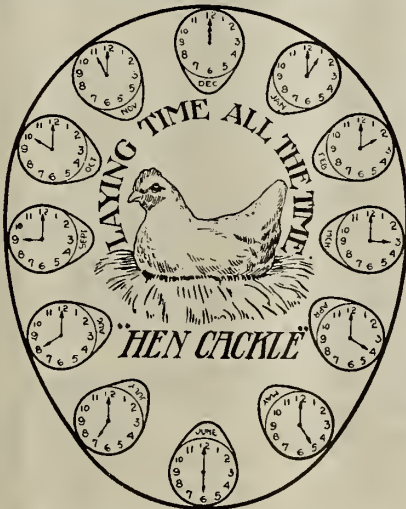
Barred Plymouth Rocks

BUY your eggs from us. No matter what you pay, no one can furnish you better quality than we can. We are specialists in Barred Rocks, have bred them in large numbers for 24 years and can give you selection no small breeder possibly can. Our quality is wonderful, yet our prices are the lowest of any of the big breeders.

Eggs \$3.00 per 15

Winners at Chicago, Indianapolis, Memphis, Louisville, Nashville, Knoxville

If you are interested in fine Barred Plymouth Rocks, write us, and we will send you the handsomest and most complete catalogue published of this breed. You will make a great mistake if you place order before getting our prices and catalogue No. 7.  
**POPE & POPE, Box H, Louisville, Kentucky**



"HEN CACKLE" Laying Food, the only complete Dry Mash, will make hens lay when others fail. Contains fourteen different ingredients—everything necessary from yolk to shell. Don't take our word for it; send for circular and prices and read what others say regarding this "egg-maker."

"CHICK-GROW" Mash will develop growing chicks as no other food will. Scientifically compounded from absolutely high grade materials and a sure preventative, by promoting health and vigor, of many of the common ills of young chicks.

LICE OINTMENT—A 25c tube will rid the average flock of fifty hens and keep them free from lice for one year. Something new and a boon to poultrymen. By mail, postpaid.

"HEN-CACKLE" POULTRY SUPPLY CO.

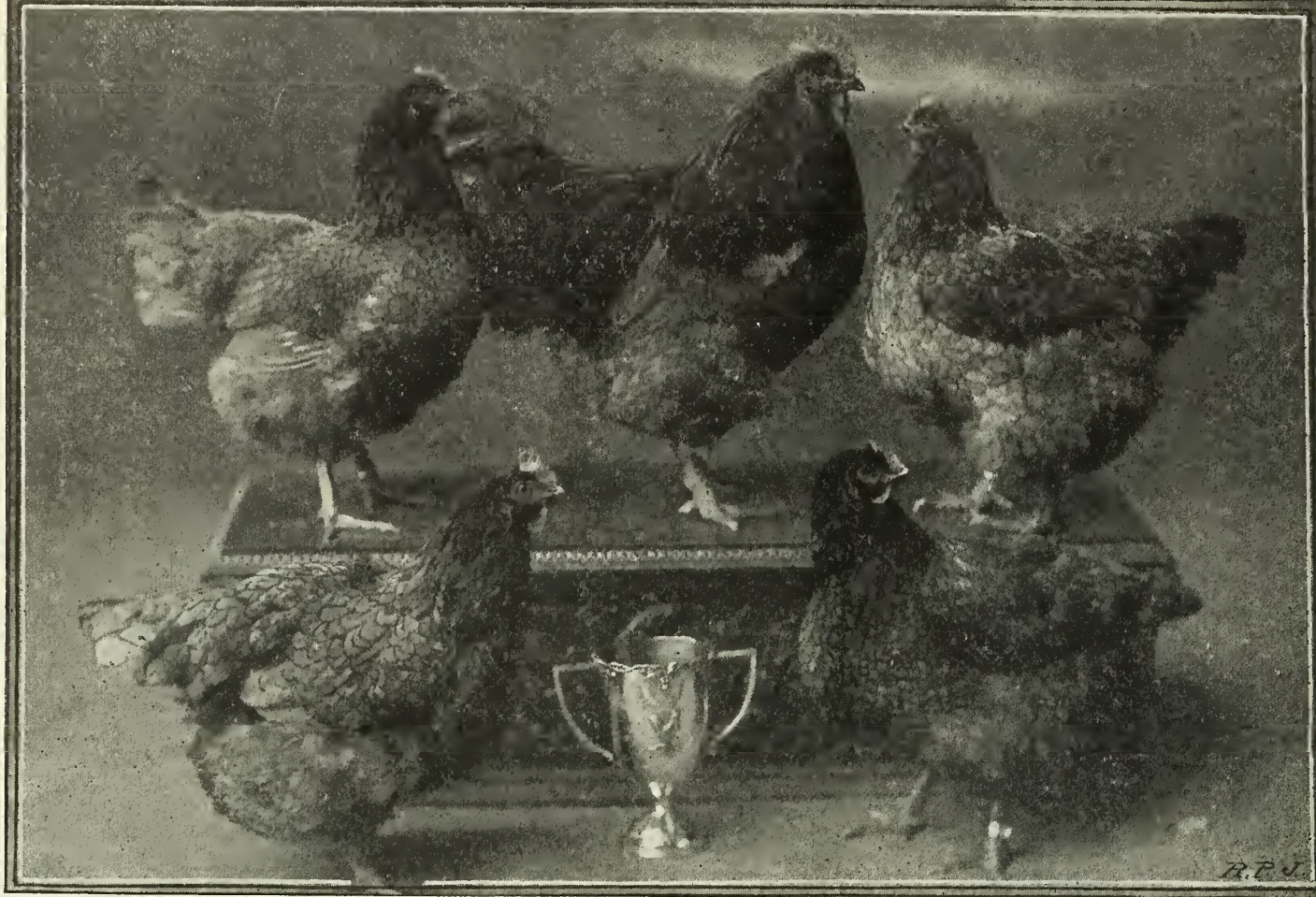
CARY, N. C.

Manufacturers of poultry supplies and agents for the Famous NEWTOWN Incubators and Coal Burning Colony Brooders.

Just say you saw it in The Industrious Hen.



**Blue Orpington Pen - First Madison Square N.Y.**  
**December 1913**  
 Owned by McKee's Orpington Farm, Watertown, Tennessee



**"Count Your Chickens Before They Are Hatched."**

The above, without the familiar "Don't," will probably look to the reader something like a tailless pup and it will be the task of the writer to convince him that the omission of the familiar negative is completely justified. "Do" is far better than "Don't," for the "Don'ts" have no place in modern life. Those that "do" achieve success in poultry, done just as in every other occupation requiring intelligence, industry and "stick-at-it-ness."

In former articles, attention was especially paid to the advantages of incubating and brooding by electricity with respect to the amateur and small breeder, it is now the turn of the big operator to have his attention directed to many advantages accruing to him from the use of electricity in his business of raising poultry on a large scale. The most important may be summarized as follows:

1. Space.
2. Installation cost.
3. Labor and time.
4. Cost of operation.
5. Heat, moisture and ventilation.
6. Percentage hatched.
7. Vitality.
8. Cleanliness.
9. Elasticity.

If these nine features can be demonstrated as being superior in the electrical method, nothing more need be said, and that they can be so demonstrated is beyond a doubt.

By means of the "Lo-Glo" incubators, twice as many eggs can be placed in the space occupied by a "mammoth." This is a mathematical certainty. The original cost of installation is materially less, labor is almost entirely eliminated with consequent saving of time, thus reducing the operating expense. Heat, moisture and ventilation can be absolutely controlled, the mechanical means for so doing being conveniently at the operator's disposal, the percentage of chickens hatched is greatly increased and their vitality is exceptional as a result of the undeniable life-giving influence of electrical rays upon cell-life.

The saving in time and labor alone should

be sufficient to induce a poultryman with modern tendencies to give the electrical method a trial. The day of the "It was good enough for father" principle is over; efficiency is now the watchword and he who does not advance with the times will continue to serve as a private while his enterprising competitor achieves an industrial captaincy.

A word as to cleanliness. These "Lo-Glo" machines are constructed of metal, inside and out. Odors and metal are natural enemies, they do not cling to each other as is well known and when the hatch is over, a damp cloth will accomplish what has hitherto been deemed impossible in the way of sweet and sanitary conditions inside the incubator. Not to be lightly overlooked is the item of elasticity. The superiority of the unit system must make instant appeal to every practical mind. Start your plant on a small scale and add to it as your growing needs require, unit by unit, each one independent of the other. "An injury to one is (not) an injury to all." How many operators have regretted the size of their original installation, either too big or too small. With the unit system, no such error in judgment is possible; start small and grow the "Lo-Glo" way. Be progressive, look up the advertisement of the "Lo-Glo" incubators in this issue, send for a catalogue and in spite of the old saying, learn that it is possible to "count your chickens before they are hatched," and also how to help them reach

maturity through scientific and up-to-the-minute methods.

**PARK'S FLORAL GUIDE**—all about Flowers  
 a Surprise Mixed Flower Seed Pkg., 1000 sorts,  
 10c Seed Coupon, and copy Park's Floral Magazine,  
 the oldest and most popular Floral Magazine in the world  
 all for stamp, Don't miss it. Geo. W. Park, LaPark, Pa.

**Six  
Hens  
Bring  
\$1300**



The result of careful study and selection. Tom Quisenberry, who did such wonderful things as director of the Missouri State Poultry Experiment Station is now at the head of the only exclusive poultry correspondence school in the world.

**Taught by Mail**

The common sense way to make poultry dollars. \$1.00 starts you now. Money back if not satisfied when you are through. Write for FREE big book. It tells all the story.

**The American School of  
Poultry Husbandry**  
 Box N60 Mountain Grove, Mo.

**WHITE WYANDOTTES**

Choice utility grade. Strong and vigorous breeding birds. Satisfactory hatch guaranteed. Eggs \$1.50 per 15; \$2.75 per 30; \$5 per 50; \$8 per 100.

MRS. J. A. KING,

Home Phone 487-a,

R. R. No. 1.

New Albany, Ind.

**SCRATCH FEED  
CHICK FEED  
LAYING MASH**

**Shawnee Brand Poultry Feeds  
will fill the Egg Basket**

KNOWN TO ALL DISCRIMINATING BREEDERS AS

**Par Excellence**

Feed Shawnee Laying Mash in Connection with Shawnee Scratch Feed for Large Egg Yield.

Samples Free

**WOOD-STUBBS & CO.**

**LOUISVILLE, KY.**



# BARGAINS EXTRAORDINARY—WHITE PLYMOUTH ROCKS

SEE OUR WINNINGS AT KENTUCKY STATE POULTRY SHOW 1915

For the next thirty days I will offer the following in breeding stock: Cockerels \$3.00 each. Trios (male and 2 females), old or young, \$7.50. Pens (male and five females), old or young, \$15.00. My price on eggs this season will be \$3.00 per 15 eggs or \$5.00 per 30 from specially mated yard hens. Special prices on larger quantities. Order direct from this advertisement, as I GUARANTEE SATISFACTION OR WILL REFUND YOUR MONEY. Address:

W. B. JENKINS, PROP.

OAKLAWN POULTRY YARDS.

GLENDAL, KY.

## J. BACON & SONS

ESTABLISHED IN 1845  
INCORPORATED

LOUISVILLE, KY.

## Ladies' Spring Suits Now On Sale

Anticipating the trend of fashion, the millers have been perfecting those cloths that are perfectly adapted to the garments that are to be worn this spring. The favored colors are Copen Blue, the many shades of Green and the always popular Navy Blue and Black.

We have never shown suits of such high quality at prices more moderate, which is saying a good deal, but nevertheless, it is true. Every one knows the really remarkable values that characterized our winter selling. These stand proof to our ability in selecting apparel that will please our customers. Our spring suits will be sold at

### Very Reasonable Prices

We are now showing our first installment of SPRING SUITS and we confidently say that it is the best we have ever made this early in the season. The models that have been chosen for this season's wear are plain tailored garments and are much more becoming to the wearer and more pleasing to the eye than those of last spring.

And our styles have all been chosen by a careful investigation and a close co-operation with the most trustworthy manufacturers.

Our assemblage of Spring garments is large both in number and variety of individual garments. In fact, there has been little or no duplication of models, so that every woman may be sure of a distinctive costume.

Write for prices and description. Mail orders given prompt attention  
All goods shipped by Parcel Post.

### National Rose Comb Orpington Club.

The National Rose Comb Orpington Club is organized for the betterment and the boosting of Rose Comb Orpingtons. To encourage the breeders to exhibit them at all the shows they can, it offers handsome special silk ribbons for best male and best female on Buff, White and Black Rose Comb Orpingtons. Silver cups are offered in every State where membership allows, and as many other attractive specials as the club can afford from time to time.

The club is growing fast and we have done a great deal. Have made out by-laws and adopted a standard and have gotten up our first Annual Club Book. Our desire is to please every member and to make things interesting. We offer ribbons or cups, whether there is competition or not, unless otherwise stated. This should interest all the Rose Comb Orpington breeders to join this club and help put this valuable breed where they belong—in the front.

### Extraordinary Improvements in Incubator Design.

Poultry raisers everywhere are realizing more than ever the advantages of the small unit system of incubators, and the distinct increase in hatching percentages from the all-automatic incubators. Along these lines, the well known manufacturer of incubator supplies, H. M. Sheer, of Quincy, Illinois, comes brilliantly to the front. So great has been his success with the "Sheer" automatic fixtures, which operate with wonderful scientific nicety and accuracy, that he has put on the market for 1915 complete ready built Sheer incubators, equipped entirely with his own fixtures.

The result has already surpassed his expectations. His "Peerless 60" of 60-egg capacity, the first all-automatic, all-metal incubator of this size ever made, is a little marvel for hatching results. Small as it is, it is fully equipped with the world famed Sheer automatic fixtures. The cost and time required in its operation are almost negligible. Sheer is also producing a 200-egg, equipped with his Sheer automatic fixtures. Another sensation is his Multidek, a new 1,000-egg machine. This is really a small unit machine, because it is constructed in tiers, up and down, instead of lengthwise, each tier being a complete 200-egg, all-automatic machine. For convenience in height, any number of tiers from one to five can be used, one above the other, each operating simultaneously with the rest, and all operating as one machine, with less trouble to operate the five tiers than with one big 1,000-egg unit. It saves six times the ordinary floor space of the big units and operates at less expense. It solves the problems of the big poultry raiser. We advise every one to send for full particulars about these noteworthy improvements, addressing H. M. Sheer, Dept. 143, Quincy, Ill.

Marshalltown, Ia., Dec. 29, 1914.

"H. I. Co., Salem, Va.

"I have used 'OCULUM' on my own flock for three years and have shown all the fanciers here how it improved the vitality of my flock from year to year, and also the fertility of the eggs from panned up fowls, and the best men are interested in 'OCULUM' on this account. C. C. LOUNSBERRY."

Readers of this journal should learn more about "OCULUM." Its manufacturers, The H. I. Co., Salem, Va., have been regular

Just say you saw it in The Industrious Hen.

advertisers with us for years. They will treat you right. Please mention this journal when writing.—Ed.

### S. C. RHODE ISLAND REDS

Tompkins strain, rich, velvet red, good shape. Eggs from special mating \$2.00 per setting of 15' Correspondence solicited.

G. M. MOORE, No. 215 Oak St., Bristol, Va.

### S. C. ANCONAS CLEAN UP

at Morristown's Big Show. Eggs \$1.50, \$2.00, \$3.50 and \$5.00 per 15. Address

T. F. HOLDER

Morristown - - - Tennessee

### S. C. WHITE LEGHORN EGGS—ORDERS NOW BEING BOOKED

Breeders have been bred and very carefully selected for size, shape, vigor and egg production, and are unsurpassed. Our breeders have been range reared and are in excellent condition, and eggs from them will hatch birds which will please you. S. C. White Leghorns, \$1.50 per 15; 30 for \$2.50; 50 for \$3.75; \$6.00 per 100. Silver Laced Wyandottes, \$1.25 per 15; 30 for \$2.00; \$4.50 per 100. Have your order booked now.

Silver Laced Wyandotte Eggs

SUNNY SIDE FARM

Box X - - - Bull's Gap, Tennessee

### EGGS 12C A DOZEN BY THE NEW DISCOVERY "OCULUM"

Let us send you our \$100 FREE offer and tell you HOW to raise most of your chickens by the celebrated "OCULUM" method.

Western Poultry Journal, Cedar Rapids, Ia., says: "OCULUM" is MAKING GOOD wherever tried.

D. B. McNeill, Cunningham, W. Va., says: I was getting 20 eggs a day when I commenced the "OCULUM" method three weeks ago. Today I got 300.

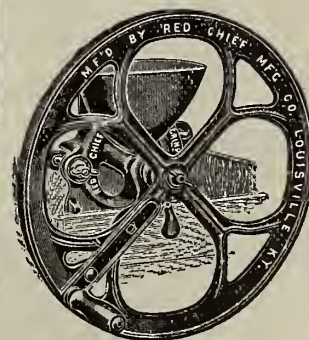
G. E. Worthington, Lake Park, Ga., says: By the "OCULUM" method I have, out of 1,000 hatched, over 975 six weeks old and they average over a pound.

Roup, Cholera and White Diarrhea Permanently Cured

Money back if "OCULUM" fails. If your dealer hasn't "OCULUM," write us. 50c and \$1 the bottle, postpaid. BOOKLET FREE.

H. I. CO., BOX M, SALEM, VA.

## HERE IT IS FREE



We give this big mill free for only a few hours' work. To each person sending in [8] twelve-months subscribers to *Industrious Hen*, at fifty cents each, and remitting to us four dollars, we will give this big hand grinder absolutely free. It will grind from one to two bushels per hour of corn, wheat, oats, peas, etc., also dry bone, oyster shells, etc.

You can secure the eight subscriptions among your neighbors in a few hours. Write us for samples, etc. Address

Blair-Young Publishing Co.

American National Bank Building

LOUISVILLE, - KENTUCKY





If you are Secretary of your Specialty Club, Poultry Show or Association, be sure to send in your news each month for this department. We will gladly publish same free for you. Also let your members know what the Club and Association are doing. Keep them posted.

#### Rhode Island White Club of America.

The Rhode Island White Club of America has elected the following officers for 1915: Edmund E. Field, Hasbrouck Heights, N. J., president; W. H. Everett, Indianapolis, first vice president; H. L. Lesh, Albion, Pa., second vice president; Fred Foster, Seville, Ohio, third vice president; Arthur Perkins, Hartford, Conn. fourth vice president; George Simmonds, Manette, Wash., fifth vice president; Mrs. C. M. Vertrees, Cecilia, Ky., secretary treasurer; Frank B. White, Saugatuck, Mich., election commissioner, and Elam M. Leary, Greenfield, Ind., member of the executive board.

#### National White Wyandotte Club.

The annual meeting of the National White Wyandotte Club was held December 9, 1914, in connection with the Harrisburg, Pa., show. Officers were elected for the ensuing year. The enthusiasm of the meeting emphasized the fact that White Wyandottes, the breed with many years of unbroken growth in popularity back of them, are today growing in favor in all countries more rapidly than ever before. To their consistent performances in egg-laying competitions, wherever held, much of this growth is ascribed, and to back up its conviction and contention that standard bred Wyandottes are in no wise deficient in the qualities that make for high productiveness, it was voted upon motion that the club enter at least one pen of standard bred White Wyandottes in the Storrs, Conn., competition, and at least one pen in the Mountain Grove, Mo., contest, to start in the fall of the present year. The club, the largest specialty club in the world, is confident of greater growth henceforward than ever before and it will be the ambition of its officers to render members the greatest possible service. Membership dues are one dollar per year and applications for membership or requests for information should be addressed to Fred Hinds, State secretary, Battle Creek, Mich.

#### United Ancona Club.

The Ancona Club and the Ancona Club of America have consolidated into one club. The new club will be known as the United Ancona Club. The breeders will all be gathered under one fold and united in the work for the advancement and interest of the Anconas. The officers of the new club are: President, J. O. Somers, Bedford, Ohio; vice president, Geo. W. Cisco, Paterson, N. J.; second vice president, C. H. Young, Los Angeles, Cal.; secretary, R. W. Van Hoesen, Franklinville, N. Y.; treasurer, F. C. Stier, Cleveland, Ohio; auditor, Wm. S. Rathbun, Jamestown, N. Y. It is to the interest of all Ancona breeders to join the new club. Write the secretary for information.

#### Chattanooga Secures Big Poultry Meeting.

The American Poultry Association will hold an educational institute in connection with the 1915 poultry show of the Chattanooga (Tenn.) Poultry Association, and will offer the grand prize of America, a gold medal, together with silver medals and diplomas, at the fowl exhibit in Chattanooga next December. The offering of the grand prize and other awards is a recognition of the poultry show in the Lookout City as being the representative show of the South, and will be an incentive to exhibitors throughout the country to send their birds to Chattanooga.

The Chattanooga show has yearly been improving in proportion and quality, and with the recognition extended by the American Association, it is anticipated that the event this year will be an exceedingly successful one. Chattanooga, scenically and historically, is one of the most interesting cities in the country to visit, and is well located, with excellent transportation facilities, for a large territory reaching well into the north and west. The names of Civil war battles fought around

Chattanooga, such as Chickamauga, Lookout Mountain and Missionary Ridge, suggest the historical interest attached to the place.

At the annual meeting of the Chattanooga Poultry Association, held in January, these officers were elected: President, O. B. Andrews; first vice president, D. S. Henry; second vice president, T. M. Maret; secretary treasurer, F. C. Rose; assistant secretary, Wade H. Farrar; superintendent, W. A. Luther. The executive committee consists of T. R. Asa, H. L. Harbin and H. M. Layman.

Heretofore the grand prize and other awards which Secretary S. T. Campbell, of the American Poultry Association, wrote would be offered at Chattanooga in 1915 have been conferred at the Chicago, Harrisburg, Boston, Madison Square Garden and other representative shows. The fact that they are to be offered at Chattanooga demonstrates the prestige that has been created there along the poultry line.

The Chattanooga organization has been invited by D. O. Lively, chief of the live stock department of the Panama-Pacific International Exposition, to send a carload of birds to be entered in the show which will be conducted there November 18 to 28. The matter is being considered seriously.

#### What Those Light Brahma Boys Are Doing.

We have been deeply interested in the past season in the splendid activity of the American Light Brahma Club. They have been doing things. The assistant secretary, Harvey C. Wood, 227 Fulton street, New York City, is one to whom much, if not most, of this activity may be credited. Good for Wood. A brief acknowledgment of some of the accomplishments we believe is in order, also a little forecast of events in the making.

There has been a splendid increase in membership from 171 on March 1, 1914, to 236 on January 1, 1915.

An artist was employed by the club to draw ideal sketches of male and female Light Brahmas. Proofs of the preliminary drawings were sent to 1,100 Light Brahma breeders, judges and fanciers throughout this country and Canada. All comments that were received were gone over at an executive committee meeting and revised sketches which were reproduced in the December Club Bulletin, and were also reproduced on the front cover of the September Brahma Special number of the Item, pretty well exemplify what the majority of Light Brahma breeders want. There are still some changes to be made in the female bird but all these will be carefully gone over at the next annual meeting.

Splendid cash offers will be made at the annual meeting at Madison Square Garden, February 12 to 18, and two judges for Light Brahmas—both members of the executive committee of the club—have been secured.

A dinner of old time Light Brahma breeders will be held at the Hotel Breslin at 7 p. m., Saturday, February 13, and already acceptances have been received from Messrs. Drevenstedt, Sewell, Platt, Megargee, Ather-ton, Nevius, Orr, Shaw, Balch, Rankin, Howell, Cleveland, Hewes, Prescott, Hendrickson, Stein, Groesbeck, Ekenberg and Springer.

Beautiful oxidized metal and silk ribbon badges—a very great improvement and much more handsome than any ever offered before by the club, will be offered at this annual meet.

The American Light Brahma Club is particularly interested and is working hard to bring out a big entry at the Garden and a large attendance at the annual dinner. "Go to it," boys, make it the best ever.

#### WHITE PLYMOUTH ROCKS BEST THAT GROW

Large thrifty pure white birds. Matings headed by 95 score cocks. First premiums. For eggs and stock write

MRS. JERRE B. NOLAND

Route No. 1, Richmond, Ky.

**Leg Bands**—Complete line—all styles and colors. Aluminum bands with turned over edges—celluloid colored number strips. Leader adjustable: 12, 35¢; 25, 60¢; 50, \$1.10; 100, \$2.00; 500, \$8.50. Post-paid. Also sealed and double clinch bands. Write for catalog. Samples free.

**The Keyes-Davis Co., Dept. 526, Battle Creek, Mich.**

#### COLUMBIAN WYANDOTTES

Kentucky State Fair Winners. Eggs from my prize winners \$2.00 and \$3.00 per 15. Hens for sale.

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Exhibition and utility. Winners at the best shows. Eggs from prize winners at \$1.50 to \$8.00 per 13. Write for free circular. Address

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BENNETTSVILLE, S. C.

#### S. C. WHITE LEGHORNS

Selected yearling hens on free range mated to lusty cockerels bred from trap-nested hens with 200-egg records. Eggs \$1.00 per fifteen. 75 cents after May 15th.

H. W. POTTER,

R. D. No. 8,

KNOXVILLE, TENNESSEE

#### Buff Rocks—Bronze Turkeys

Buff Plymouth Rock cockerels from Louisville, Ky., State show winners. Rich under color, even surface and large, rugged, healthy birds. Eggs in any number. Giant Bronze turkey eggs from Madison Square Garden winners and Great "Hugo-King" strains. Enormous size; pure copper bronze tanning high over back. Write

J. C. CLIPP,

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**CHAMBERLAIN'S  
PERFECT CHICK FEED**

The Original Dry-Baby-Chick-Feed and the World's Standard. The season for raising little chicks is short. Avoid the loss of little chicks and time by feeding Chamberlain's Perfect Chick Feed. Write for FREE SAMPLE at once. We will deliver 100 lb. sack of Chamberlain's Perfect Chick Feed track your railroad station for \$3.00, except the extreme West and South.

**F.B. CHAMBERLAIN CO., 345 N. COMMERCIAL, ST. LOUIS, MO.**

**HAS NO EQUAL—NO CORN—NO BOWEL TROUBLE**





View of the Barred Rock Plant of Pope & Pope, Louisville, Ky. Be sure to look up their Advertisement in this issue and write them for catalogue and prices.

### Merits of the Rhode Island Whites.

(By Mrs. C. M. Vertrees, Secretary-Treasurer of the R. I. White Club, Cecilia, Ky.)

We realize that there are great improvements being made in poultry and we do not wish to claim that there never will be a better breed established than the Rhode Island White, but we are fully assured it is in the lead today. It possesses the most sensible standard type and color of any breed in existence. The utility qualities don't have to be disregarded in order to get either proper type or coloring. They are a medium, well built bird for market purposes, but large enough and splendidly shaped for good egg producers. Having long, broad bodies, they have ample capacity for food consumption, consequently a large egg capacity. And combining as they do more good qualities with fewer bad ones than any other breed yet offered to the public, they are bound to excel anything else in the poultry world from the viewpoint of profit.

Last season our January hatched pullets, running at large, fed only on dry whole grain, began laying the first of June. And we have them by strict test that laid over forty eggs before seven months old. Many reports of their achievements as layers come to this office. Will give you a few. I can furnish you names and addresses, so if you think these reports are not true you may take the matter up with headquarters. One man reports a 75 per cent egg yield from a pen of twenty months old hens during the last two weeks in October. Another, a hen about eighteen months old, began laying the first day of October and deposited 173 eggs during the 173 consecutive days following. Still another reports a pen of six pullets which laid 43 eggs in seven days.

At the Owensboro, Ky., Poultry Show, held in December, 1914, an exhibit of Rhode Island Whites aver-

aged the best egg yield according to the number exhibited of any variety there. This was also true of the class exhibited at North Yakima, Wash., in January, 1915. A pen of Rhode Island Whites won the December cup at the National egg-laying contest at Mountain Grove, Mo., seventy-five pens and twenty-six different varieties competing.

When we tell you of their laying abilities we have only just begun. There is not a more beautiful bird known to the American Standard of Perfection than the Rhode Island Whites, and they are top-notch breeders, throwing chicks like unto themselves, chicks that hustle and grow.

The question is often asked if they breed true to color and type. If the editor will pardon me, will say that I have just received a letter concerning a \$5.00 setting of eggs shipped out last season which says: "Ten birds raised from the setting of eggs were exhibit-

ed at Decorah, Iowa, January, 1915, and scored by Judge Richards. They scored from 91 to 93¾ points, except one cockerel which scored 88½ cut two for weight. What variety of fowls can beat that? At Bennett, Neb., December, 1914, a Rhode Island White pullet won the special for the highest scoring pullet in the show. At La-Crosse, Wis., 1915, a Rhode Island White cockerel won the A. P. A. spe-

### Tom Barron's White Leghorns

Have won in all egg laying contests. At Mountain Grove, Mo., in last National Contest ending December, 1914, ten hens laid a grand total of 2,296 eggs in one year. An average of over 229 eggs for each hen. We have a very select pen, pure Tom Barron Strain, eggs \$2.00 per 15. The very finest bred S. C. Buff Orpingtons, eggs \$1.50 per 15.

**CLAYTON I. BALLARD,**

WHITE PINE, - - TENNESSEE

### SACKETT'S S. C. REDS

WINNERS at leading Southern Shows. A fancier's flock of dark rich red VIGOROUS birds. A limited number of eggs at \$5.00 for 15 from three small all-star matings. Each individual carefully selected for color, shape, size, VIGOR and results.

**H. M. SACKETT,** - - - - - **LYNCHBURG, VIRGINIA**

### Save The Baby Chicks

We also sell  
Sterling Scratch Feed  
Sterling Egg Mash  
Sterling Pigeon Feed  
and full line of Feed for  
Horses and Cows

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**Sterling Chick Feed**, solves the problem of raising the Baby Chicks. Why experiment with inferior feed and lose time and profits. Raise all the birds you can this year for the demand will be greater than was ever known. Let us have your trial order so we can convince you the quality that **STERLING FEEDS** have. Address



**LOUISVILLE HAY & GRAIN CO.**

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### WARD'S MAMMOTH BRONZE TURKEYS

We have been breeding this strain for thirty years. They win wherever shown. A dozen fine young toms for sale, also some young hens. Write us; we can please you.

**J. MILLER WARD**

**SUNNY SIDE STOCK FARM**

**PARIS, KENTUCKY**

Just say you saw it in The Industrious Hen.



# ROYAL ORPINGTONS

I have mated up several hundred of the finest Blue, White, Black and Buff Orpingtons for the coming season. American and English strain, and can now supply eggs and stock at reasonable prices, and I guarantee every satisfaction.

**THOMAS J. HOCKING, ROYAL POULTRY FARM,**  
DICKSON, - - - - - TENNESSEE

## NOW IS THE TIME

to buy your hatching eggs. Get your chicks out and ready for a rapid growth when the warm days come. The Black Langshan will come up to your expectations of what an all-purpose breed ought to be. Why then bother further as to what breed to select? And when considering where to buy, remember Mullen's Black Langshans have won at leading shows in five States. Let me send you my mating list, which describes my pens and gives prices of eggs.

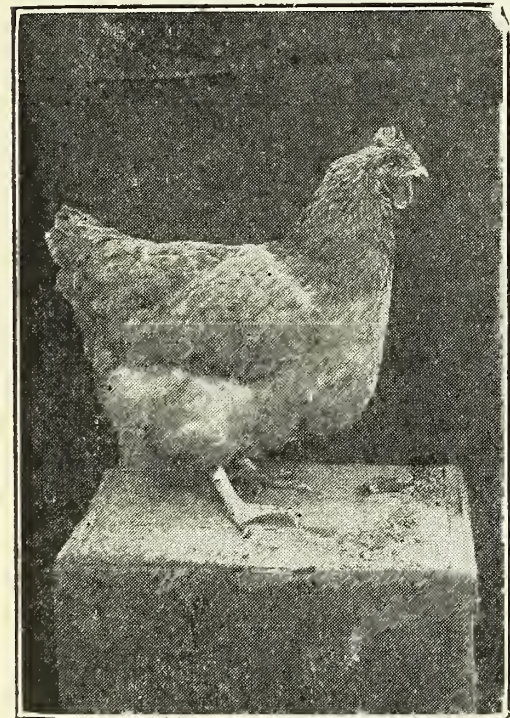
**CURTIS H. MULLEN,**

**S. B. 806**

**Mountain View, Missouri**

cial for the best male bird in the show room under one year old."

Their popularity has come from true merit, and not from any fad or expensive advertising. They have won their way in every section and climate where they have been placed. The very fact that they are so popular where they are known is one cause of their not having been advertised more extensively. The demand for them grows faster than the supply and breeders find their surplus easily sold with little or no advertising. One breeder says he never has been able to supply home demand and never has run an advertisement in any paper. He wrote me some time ago that he was booked up solidly



A prize-winning Buff Orpington hen, owned by Bloom Kendall, Shelby, N. C.

for the 1915 season and was then having to refuse orders. These are some of the facts that touch off the knockers.

"Knockers?" Why to be sure. If there were not plenty of knockers for the Rhode Island Whites we would think there certainly was something wrong about them. But since they are getting so many knocks we know these knockers realize they have struck something in their path to be afraid of. The Rhode Island Whites are winning coveted laurels. Let them knock. Has there ever yet been anything worth while discovered, invented or produced but has had to run this gauntlet? Really, it seems essential for their well-being later. What breed gets more knocks than the Red? Did

## CRYSTAL WHITE ORPINGTONS THE KIND THAT LAY

The kind that grow, the kind that will win in any show. I sent 14 birds to the Chattanooga Poultry Show in December, and every bird won a prize. I made no effort to send my best birds, either. I have 27 fine cockerels, large and beautiful at \$2.50 and \$3.00 each. Pullets \$2.00 each. Eggs from prize winners 20 cents per egg.

**PROF. H. C. COLEMAN, Bakewell, Tenn**

it hurt them? The Rhode Island White is too well suited to the average poultry raiser who wants meat and eggs for the knocker to damage them. What does he care what is said about his birds when he is fully convinced they are serving his purpose much better than any other breed and are in reality reducing the high cost of living.

## Coming Attractions

**B. F. KEITH'S THEATRE—Fourth and Chestnut.**

Three headliners are announced for the week of March 7 at B. F. Keith's Theatre, in Nat Wills, the famous tramp comedian, Havemann's Animals and Clayton White and Company. Nat Wills has an entirely new complement of parodies and humor, and Havemann's trained tigers, lions and leopards are said to be the most sensational exhibition of its kind. Other features are Hale and Paterson, Connolly and Wenrich, the Three Hickey Brothers, Bond and Casson and Chester Johnstone and Company. For the week of March 14, Sam Mann and Company are coming with a new comedy, and others are the Primrose Four, Chick Sale, the clever protean comedian; Lucy Gillette, Jed and Ethel Dooley, versatile artists; Howard and Syman, and the Bounding Pattersons. Attractive bills are being prepared for the week of March 21 and 28.

**MARY ANDERSON THEATRE — Fourth and Chestnut. Lee L. Goldberg, Res. Mgr.**

Featuring high class photo-plays. Continuous shows daily, 10:30 a. m. to 10:30 p. m. Best seats 10c. Matinee and night.

March 1-2—"The Blue Mouse."

March 3-6—"Cabiria."

March 7-13—"The Spoilers."

Look up the advertisement of Mrs. J. A. King, New Albany, Ind., in this issue. She is offering eggs from her utility White Wyandottes at reasonable prices and if you are in the market for good White Wyandottes, write her and be sure to mention the Industrious Hen. We have visited Mrs. King's yards and we can recommend her birds to our readers.

### Suicide.

The man who stops his little ad Is not so very wise, bedad, Because his advertisements tell The public what he has to sell.

And if his ad is not on deck, The people pass him up, by heck, And none of them will hesitate To trade with merchants up-to-date.

To stop your ad, we would remark, Is like winking in the dark; You may know what it means, but, gee! Nobody else can ever see.

So do not for a moment think That when you cut out printer's ink You're saving money on the side— 'Tis merely business suicide.

Just say you saw it in The Industrious Hen.



## Insures Clean Fowls — Larger Profits

It has been the Standard Lice-Killer for over 30 years—the standby of Successful Poultry-keepers. Easily used, absolutely safe, sure and quick in results. Most economical because it goes farthest. Try it and see young fowls grow faster and hens lay. Prices \$1.00, 50c, and 25c per Package. Sample 10c. If not at your dealers; send direct. "Secrets of Success with Poultry" by D. J. Lambert for 2c stamp. Address

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**ROOSTER 5 lbs**  
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**MORE THAN DOUBLE YOUR COCKEREL PROFITS**  
Capon grow twice as large on the same amount of feed and bring twice the price per pound.  
Complete set of reliable, practical, easy-to-use **\$2.50**  
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Send for FREE Capon Book

## Don't Feed Green Food!

Do away with the bother by using **Succulenta Tablets**

They are better and cheaper and more relished by all fowl. Simply dissolve one tablet in one quart drinking water for fowl. Sample can (100 large tablets) by mail 50c. Can of 250 large tablets by mail \$1.00. **YOUR MONEY BACK IF NOT SATISFIED.** Drop postal for particulars to The Succulenta Co., P. O. Box 405-25 Newark, N. J.

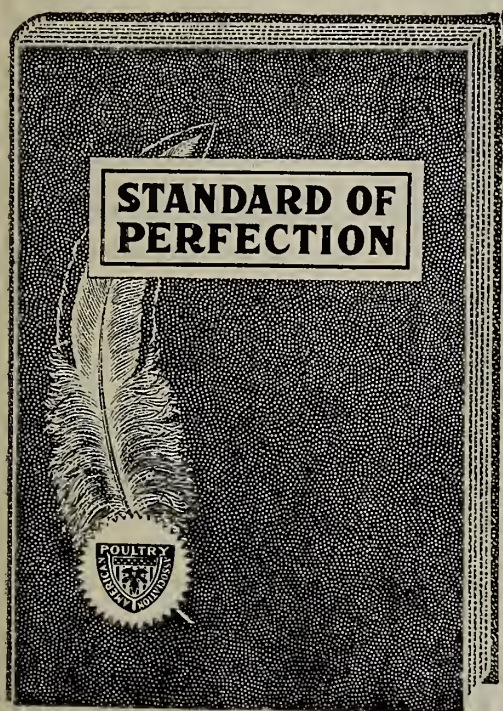


## Notice to Fence Buyers.

It is with great pleasure that we call the special attention of our readers to the Brown Fence & Wire Co., of Cleveland, Ohio. This concern has been among our advertisers for a good many years which has doubtless been the result of supplying thousands of rods of Brown fence for our readers.

A remarkable feature of Brown fence is the special galvanizing process through which every rod of wire is put. The wire itself is open hearth steel which is naturally porous and is drawn through the galvanizing spelter very slowly so the galvanizing becomes an actual and inseparable part of the wire. The value of this process is aptly shown by the large number of satisfactory customers who buy Brown fence whenever they are in the market.

This concern sells direct from factory to farmer, with all freight prepaid. In addition to farm and poultry fence of every size and style, they carry a complete line of farm gates, self-raising gates, lawn fence and lawn gates. Our readers will do well to write for their new catalogue which will be mailed free on request. Address the Brown Fence & Wire Co., Dept. 37, Cleveland, Ohio, and you will doubtless receive their latest catalogue and lowest quotations by return mail. Do this now, if you are in the market for fence now or if you will shortly require their products.



We will mail you a copy of the latest Standard for \$2.00 cloth bound, or \$2.50 leather binding. Or include 25 cents extra and we will send you The Industrious Hen one year. Standard will be ready for mailing about April 15th.

## TOO LATE TO CLASSIFY.

EGGS FROM PRIZE WINNING BUFF Plymouth Rocks, \$2.00, \$1.00, 15; \$5.00, 100. Stock for sale. Mrs. M. T. English, Prospect, Ky. 3-11

HATCHING EGGS THAT HATCH 90 per cent. Reds, Rocks, Leghorns, Wyandottes, exhibition matings of 200-egg strains; 15 eggs, \$1.25, postpaid; 100 eggs, \$5.00. Utility matings, 15 eggs, \$1.00; 100 eggs, \$4.00. Pullets bred to lay. Four months old, 75 cents each. October delivery, if reserved now. Talking Poultry Yards, Hainesport, N. J. 3-31

SIXTEEN PENS MATED. BLACK AND White Orpingtons, Barred Rocks and White Wyandottes. Winners at Chicago, Elgin, Woodstock, Beloit and Wisconsin State Fair. Send for mating list. Rosehurst Farm, Woodstock, Ill. 3-11

LARGEST TRAP-NESTED FLOCK MOTTLED Anconas in the country. All pens headed by 200 pedigree English males. Stock and eggs for sale. S. F. Travis, Jr., Cocoa, Fla. 3-11

## WHITE WYANDOTTES

Let me give you my prices on eggs and description of my great EXCELSIOR STRAIN. Producers and winners. HERBERT HALL, HARDINSBURG, KY

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Will place you among the winners in the showroom, in the egg box and in the breeding of high class birds. No stock for sale now, but am booking orders for eggs. Write me your wants.

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## S. C. ANCONAS, BUFF and WHITE ORPINGTONS

Stock and eggs for sale. Prices reasonable and satisfaction guaranteed. Write your wants. Address

NEWTONS FARMS,

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## EXHIBITION AND UTILITY

Blue Andalusians, S. C. White Leghorns, S. C. Buff Leghorns, White Rocks, Black Orpingtons, Lakenvelders, Indian Runners and Wild Mallard Ducks. At the Kentucky State Show, Jan. 4-9, on ten entries I won nine firsts, one second, four specials and A. P. A. medal for best cockerel in class. All pens are now mated. Write for catalogue. Prices reasonable.

## LOMBARDY HEIGHTS POULTRY FARM

JNO. O. REID,  
Prop.

Stanford, Ky.

## WHITE WYANDOTTES OF

Highest quality. They are pure white and bred to lay. Eggs for hatching from prize winning stock. Also choice cocks and cockerels for sale.

MRS. J. H. JOHNSON,

Chappells, S. C.

## Donaldson's S. C. Rhode Island Reds

A quality strain of great type and color, linebred for years. Atlanta, Ga., Jan., 1915: 1 cock, 1, 2, 3, 4, 5 hens, 3 cockerel, 1, 3 pullets, 1, 2, 4 pens, \$50 challenge cup, special for best Red display. Pens now mated. Eggs from champion winners, small matings, \$5.00 per 15. Utility \$1.50 per 15. Baby chicks. Write for mating list.

MRS. DONALD DONALDSON,

Decatur, Ga.

## SANDY RUN POULTRY YARDS, ELLENBORO, N. C.

Breeder of the finest strains Partridge White and Columbian Wyandottes, Black Minorcas and Brown Leghorns. We win at all the leading shows. At Charlotte, Shelby, Statesville and Raleigh this season. We won nearly every prize entered for at Charlotte, won silver cup for the best pen in the shown on a pen of White Wyandottes with nearly 50 pens from the best breeders of the country competing. At Statesville won cup for the best male in the show on a White Wyandotte cockerel. The next week won at Raleigh cup and gold medal for the best bird in the whole show, this won on a White Wyandotte, and a different bird from the winner at Statesville. This stamps our birds the best in the country. A nice lot of stock yet for sale. Eggs, \$3.00 and \$5.00 per fifteen.

SANDY RUN POULTRY YARDS, - - - ELLENBORO, N. C.



## DIXIE POULTRY YARDS

The South's Leading Poultry Farm. Single Comb Rhode Island Reds and White Leghorns. Winners of the blue at the big shows. Write for our catalog and be convinced that we have the best, and just what you want, at hard time prices.

L. P. HUDDLESTON, Mgr.

Stevenson,

Alabama



## WE WANT 10,000 MORE NEW SUBSCRIBERS IN THE NEXT 90 DAYS

In order to increase our circulation within the next 90 days we are going to give away as premiums to every one who takes subscriptions for us among their friends, INCUBATORS, BROODERS, PURE BRED BIRDS (any variety), EGGS FOR HATCHING (any variety), DINNER SETS, POULTRY BOOKS, LEG BANDS, POULTRY PUNCHES, ETC. We want you to act as our agent in your neighborhood and if you do not want the valuable premiums we offer you we will give you a cash salary each week. Every farmer will be glad to read THE INDUSTRIOUS HEN. All you have to do is to show a copy of the paper and take the order. It is something they need and appreciate.

Take each subscription at 50 cents per year. Write us for samples of paper and we will mail them promptly.

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- 25 Leg Bands.
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- One pair of guaranteed Shears.

### FOR TWO SUBSCRIBERS—

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- One Setting of Eggs (15), any variety.
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- One handsome Dinner Set.
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### FOR TWENTY SUBSCRIBERS—

- One beautiful 26-piece Silver Set.
- One 60-egg Incubator.
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- One trio good breeding Birds, any variety.
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- One 60-chick Brooder.

If you wish, premiums may be combined. For 12 subscriptions for instance, you may select one of the premiums offered for 4 subscriptions and one of those offered for 8 subscriptions. Get busy at once and write for your territory and secure some of these valuable premiums.

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If you are planning to have a Booklet, Circular, Announcement or Half Tone Plates made, write us. We are prepared to give you attractive advertising literature and perfect pictures of your birds. Our specialty is

### Folders, Booklets, Catalogues and Office Stationery

Dummies and general suggestions promptly submitted. Orders quickly filled. Send for our booklet, "Preparing Your Printing For Its Purpose."

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\$15.00 to \$50.00, guaranteed THREE years, FREE trial. Our typewriters for the Farm Home and Rural Business Man. A proposition to get your machine for nothing. Address Desk 21, The Elwood M. Pusey Company, Manufacturers' Representatives, East Liverpool, Ohio, U. S. A.

**Loomis' R.C. Reds** win at the GREAT MID-WEST CHICAGO SHOW, December 1914, in the strongest Red class ever caged in America. My exhibit received many flattering compliments from the leading judges and breeders. If you are in need of new blood write me. Pens mated early.

### HAWTHORN POULTRY YARDS

C. C. LOOMIS, PROP.

BOX A

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## ORPINGTON PLACE

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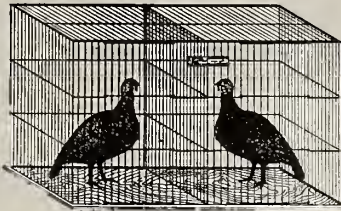
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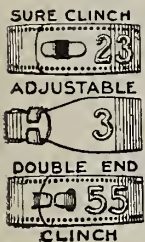
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At Madison Square Garden, N. Y., February 12-27, 1915, on just three entries my Minorcas won FIRST Pullet, THIRD Cock, and FOURTH Cockerel.

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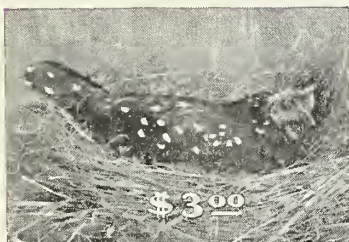
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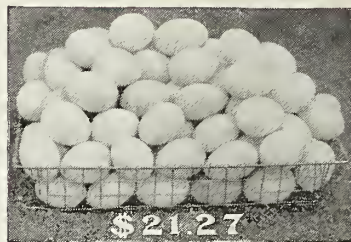
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This is why there is such an increasing demand for my Anconas.

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Have won first at the world's greatest shows, including London, England, Cleveland and Madison Square Garden, N. Y. For seven consecutive years

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They are famous egg machines and the greatest winter layers, with the wonderful egg record of

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